

TEAC[®]



SERVICE MANUAL

V-770

Stereo Cassette Deck

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CAUTION

△ Parts marked with this sign are safety critical components.
They must always be replaced with identical components—
refer to the appropriate parts list and ensure exact replacement.

注意

△印は安全重要部品です。交換する時は必ずティアック指定の部品を使用してください。

1 SPECIFICATIONS

仕様

Track System 4-Track 2-Channel Stereo
 Heads 3: 1 Erase, 1 Record and 1 Playback
 (Combination)
 Type of Tape Cassette tape C-60 and C-90
 (Philips type)
 Tape Speed 4.76 cm/sec. (1-7/8 ips)
 Motors 3: 1 DC Servo capstan motor
 1 DC reel motor
 1 DC mechanism motor
 Wow and Flutter (WRMS) 0.03 %
 Frequency Response (Overall, -20 dB)
 20 - 21,000 Hz
 (25 - 20,000 Hz \pm 3 dB), Metal
 20 - 19,000 Hz
 (25 - 19,000 Hz \pm 3 dB), CrO₂
 20 - 18,000 Hz
 (25 - 17,000 Hz \pm 3 dB), Normal
 Signal-to-Noise Ratio (Overall)
 60 dB (3 % THD Level, Weighted)
 70 dB (Dolby B NR in, over 5 kHz)
 80 dB (Dolby C NR in, over 1 kHz)

Fast Winding Time Approximately 80
 seconds for C-60
 Inputs Line: 87 mV, 40 kohms
 Outputs Line: 0.43 V for load impedance
 of 50 kohms or more
 Headphones: 8 ohms
 Power Requirements 120/220/240 V
 AC, 50/60 Hz
 (General export model)
 120 V AC, 60 Hz (USA/Canada)
 220 V AC, 50 Hz (Europe)
 240 V AC, 50 Hz (U.K./Australia)
 Power Consumption 17 W
 Dimensions (W x H x D) 435 x 120 x 265
 mm (17-1/8" x 4-3/4" x 10-7/16")
 Weight 4.9 kg (10-9/10 lbs) net

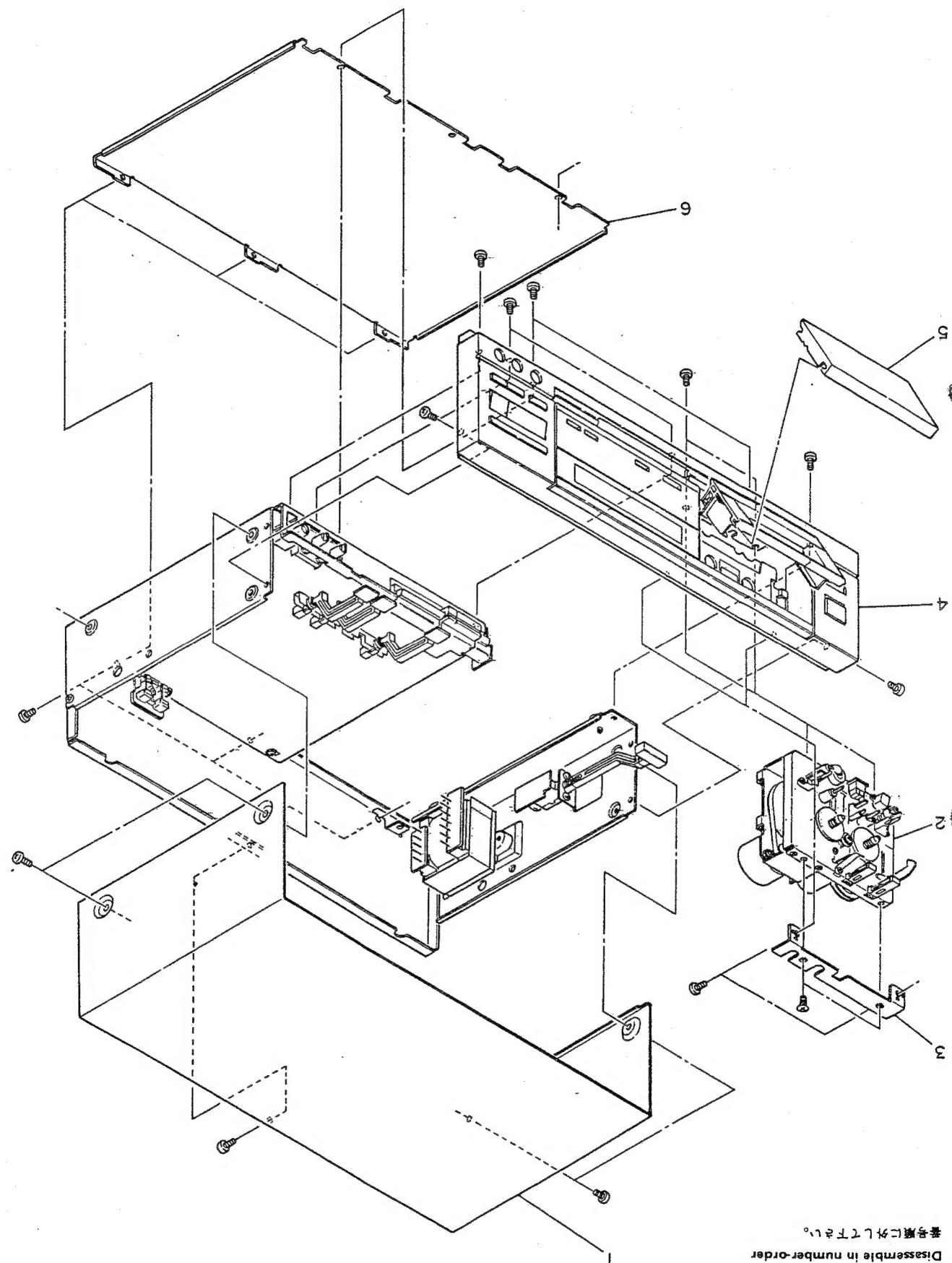
- Specifications were determined using metal tape except as noted.
- Improvements may result in specification or feature change without notice.

トラック形式	4 トラック2チャンネル・ステレオホニック方式
ヘッド構成	消去ヘッド×1, 録音×1, 再生×1 コンビネーション・ヘッド
使用テープ	C-60, C-90タイプ カセット・テープ
テープ速度	4.8センチ
モーター	キャフスタン: DC サーボモーター×1 リール: DC モーター×1 メカニズム: DC モーター×1
ワウ・フランジャー	0.03% (W.RMS), \pm 0.06% (W.Peak EIAJ)
周波数特性 (総合)	20Hz-21,000Hz (25Hz-20,000Hz \pm 3dB, EIAJ): メタル 20Hz-20,000Hz (25Hz-19,000Hz \pm 3dB, EIAJ): クローム 20Hz-18,000Hz (25Hz-17,000Hz \pm 3dB, EIAJ): ノーマル
総合S/N比	60dB (NR OUT, 3% THDレベル, WTD) 70dB (ドルビーB NR IN 5kHz以上) 80dB (ドルビーC NR IN 1kHz以上)
早巻時間	C-60テープで約80秒
入力	ライン: 87mV (入力インピーダンス40k Ω 以上)
出力	ライン: 0.43V (負荷インピーダンス50k Ω 以上) ヘッドホン: 2mW/8 Ω
電源	100V AC, 50/60Hz
消費電力	17W
外形寸法	435(幅)×120(高さ)×265(奥行)mm
重量	4.9kg
付属品	入出力コード 2本(1組)

※この仕様は特に表示した項目を除き、当社基準テープを使用して測定したものです。

※仕様および外観は、改善のため予告なく変更することがあります。

Value of "dB" in the data refers to 0 dB (0.775 V), except where Specified. 本マニュアルの 0 dB は 0.775 V を基準としています。

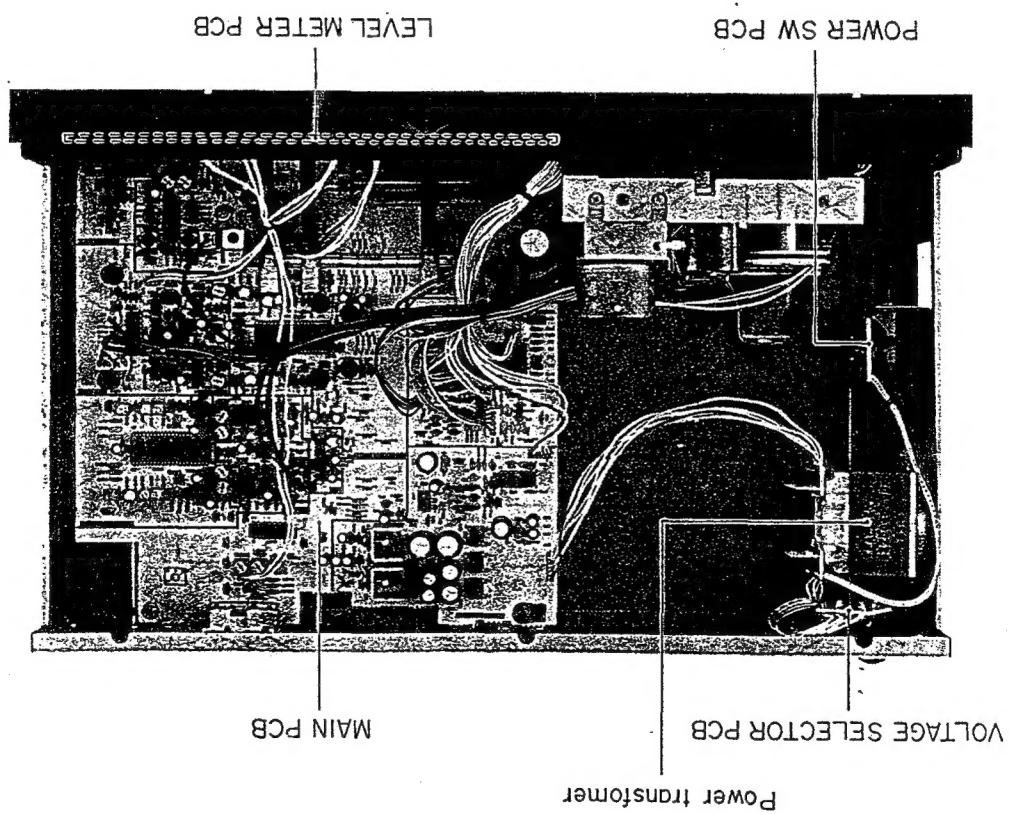


外装部品の外し方

2 CASE AND FRONT PANEL REMOVAL

Disassemble in number-order
番号順に外し方。

Fig. 3-1 Top View



部品配置図

3 PARTS LOCATION

Fig. 3-3 Transport rear view ハードディスク-ハブ面図

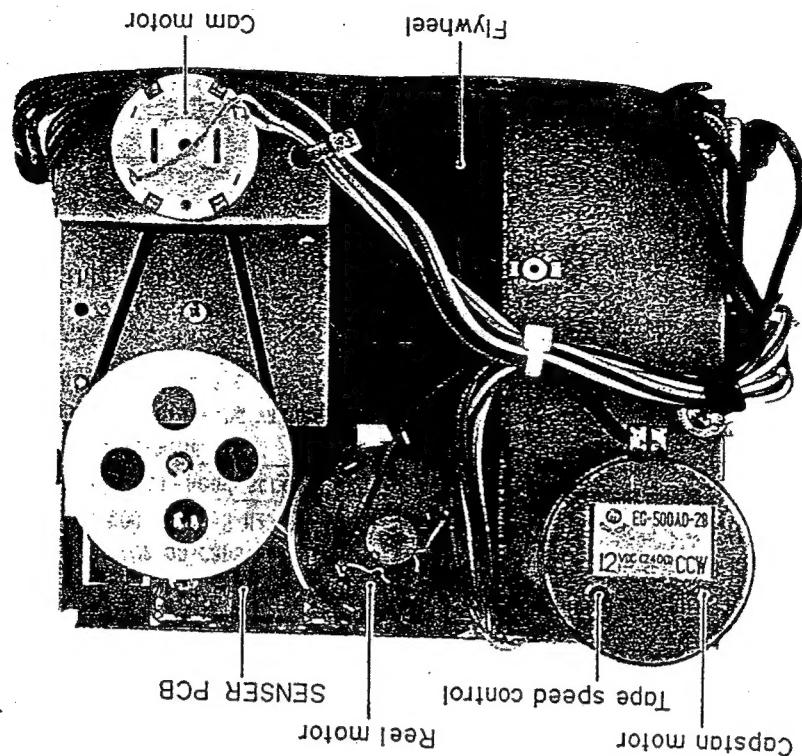
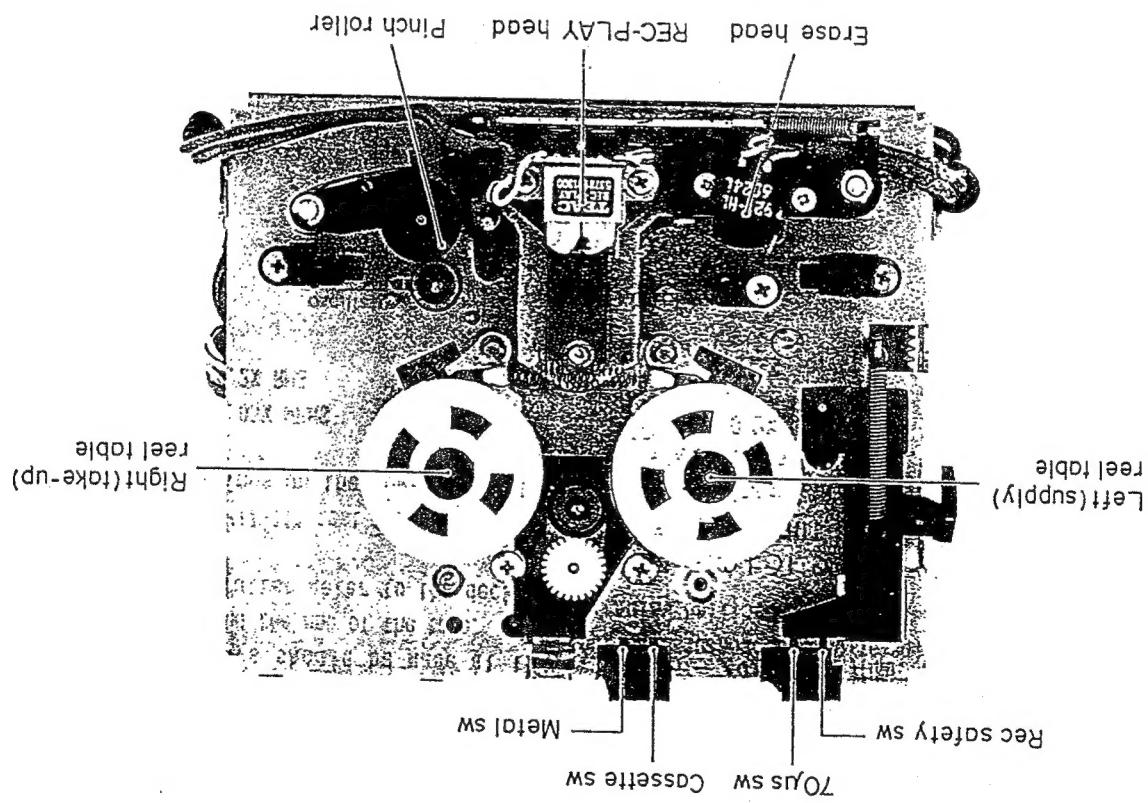


Fig. 3-2 Transport front view ハードディスク-ハブ面図



4 MECHANICAL ADJUSTMENT AND CHECKS

Note: These measurements should be made at the beginning, middle, and the end of the tape.

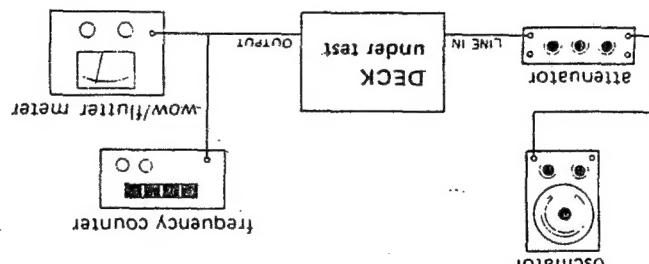
1. Connect a Wow-and-flutter meter to the deck as shown in Fig. 4-1.
2. Load and play a TECAC HT-111 test tape.
3. Check that the readings on the Wow-and-flutter meter are as follows.

Meter : 0.05X RMS
Note: 0.2X RMS

1. Fig. 4-10 shows the Wow-and-flutter meter to the deck as shown in Fig. 4-1.
2. Fig. 4-7 HT-111 tape.
3. Fig. 4-7 Wow-and-flutter meter.

Specifications: 0.05X RMS
0.2X RMS

Fig. 4-1



4-2 TAPE SPEED

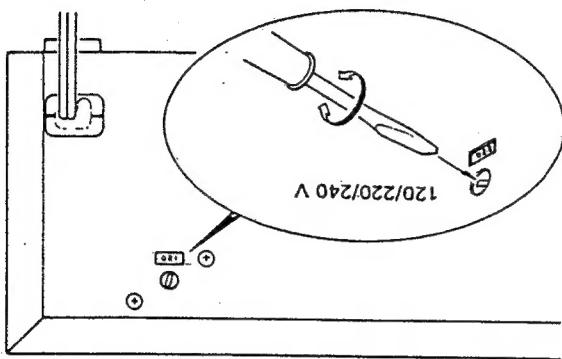
1. Connect a frequency counter to the deck as shown in Fig. 4-1.
2. HT-111 tape. Fig. 4-7 Wow-and-flutter meter.
3. Adjust the mid portion of an HT-111 test tape that tape speed becomes $3,000 \text{ Hz} \pm 5 \text{ Hz}$. An insulator and non-metallic flat-head screwdriver should be used for this adjustment.
4. In play mode, check that the following values are obtained at the beginning and at the end of the tape.
5. The frequency counter should be used for this adjustment.

Width of deviation: Within 45 Hz
Deviation: $3,000 \text{ Hz} \pm 45 \text{ Hz}$

4-3 TAPE SPEED

1. Connect a frequency counter to the deck as shown in Fig. 4-1.
2. HT-111 tape. Fig. 4-7 Wow-and-flutter meter.
3. Adjust the semi-fixed resistor on capstan motor so that tape speed becomes $3,000 \text{ Hz} \pm 5 \text{ Hz}$. An insulator and non-metallic flat-head screwdriver should be used for this adjustment.
4. In play mode, check that the following values are obtained at the beginning and at the end of the tape.
5. The frequency counter should be used for this adjustment.

Fig. 4-2



- 润滑用工具。TEAC TZ-255 手电钻。
- 润滑用油。TEAC TZ-255 手电钻。

4-4 润滑油

1. 读取扭矩表上的刻度。根据需要调整螺母的松紧度。
2. 30~55g·cm
3. 2.5~6g·cm
4. 100~160g·cm
5. 早送油/差速器油/油门油。
6. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。
7. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。
8. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。

4-3 U-LW-H/LW

4-3 REEL TORQUE

1. 读取扭矩表上的刻度。根据需要调整螺母的松紧度。
2. 30 to 55 g · cm (0.42 to 0.76 oz · inch)
3. 2.5 to 6 g · cm (0.0347 to 0.08 oz · inch)
4. F.F./REW:
5. 100 to 160 g · cm (1.53 to 2.22 oz · inch)

1. 润滑油是只有在更换部件时才需要的。下部指定期才润滑。
2. 为了这个目的, 使用规定的油。TEAC TZ-255 油(TEAC TZ-255 油)。
3. 为这个目的, 使用规定的油。TEAC TZ-255 油(TEAC TZ-255 油)。
4. 润滑油是只有在更换部件时才需要的。润滑脂只在更换部件时才需要。
5. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。
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99. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。
100. 润滑油: TEAC TZ-255 手电钻 (TEAC TZ-255 手电钻)。

1. **ALWAYS DISCONNECT THE POWER LINE CORD BEFORE MAKING THESE ADJUSTMENTS!**
2. **Locate the voltage selector on the rear panel.**
3. **Using a regular screwdriver, turn the shaft (from the free end) of flywheel, then insert the shaft into point about 1/3 the way down the shaft (from the free end) of flywheel, then insert the shaft into the housing.**

4-5 VOLTAGE CONVERSION

(General Export Models only)

4. **Locate the voltage selector on the rear panel.**
5. **Using a regular screwdriver, turn the selector corresponding to the voltage requirements of your area appear.**

4-3 U-LW-H/LW

4-3 REEL TORQUE

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values:

SPECIFICATIONS:
Takes-up (both FWD/REV):
30 to 55 g · cm (0.42 to 0.76 oz · inch)
Supply (both FWD/REV):
2.5 to 6 g · cm (0.0347 to 0.08 oz · inch)
F.F./REW:

100 to 160 g · cm (1.53 to 2.22 oz · inch)

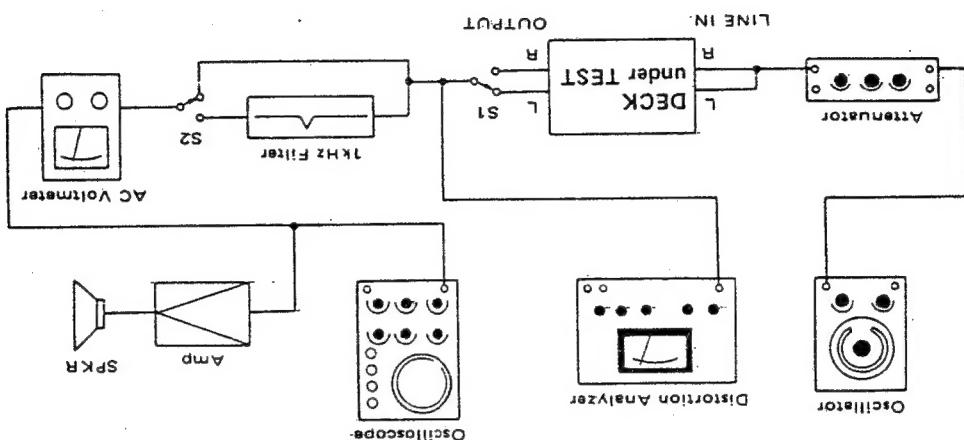
5-1 PRECAUTIONS

7.2.7 部の調整と確認

5 ELECTRICAL ADJUSTMENT AND CHECKS

- Before performing adjustments and checks clean and demagnetize the entire tape path.
- Make sure the deck is properly set for the voltage.
- In general, adjustments and checks are made in the order of L-ch then R-ch. Double REF. Nos. indicate in your locality.
- 0 dB is referenced to 0.775 V. If an AC voltmeter L-ch/R-ch. (Example: R11/R21)
- The AC voltmeter used in the procedures must have an input impedance of 1 M-ohms or more.
- Note the "Deck settings" at the top of each chart unless explicitly stated otherwise.
- Indicate this deck has an automatic tape selector, be sure to use test tapes that have tape position detecting holes.
- Input terminals and measuring points at each step are the same as previous step, otherwise specified

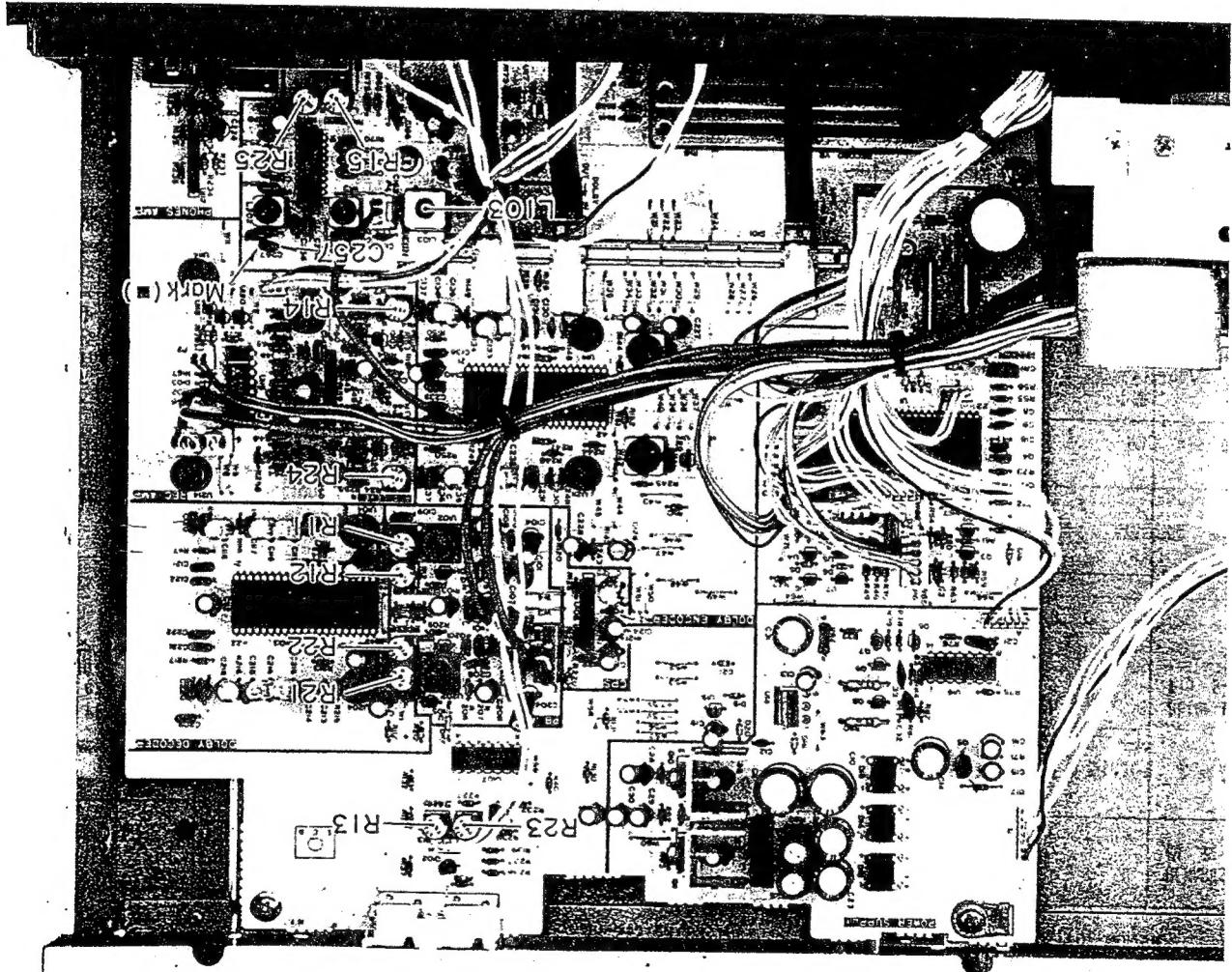
Fig. 5-1 Basic test setup 基本測定装置図



5-1 5.1

Fig. 5-2

R12/R22	Specified output level	規定出力LEVEL	规定用波数
R15/R25	Record bias	録音バイアス	再生用波数特性
R14/R24	Record level	録音レベル	再生用波数特性
R13/R23	Peak level meter	録音レベルメーター	再生用波数特性
R11/R21	Playback frequency response	再生周波数特性	再生用波数特性
L103	Bias osc. frequency	規定用波数	規定用波数



5-2 ADJUSTMENT LOCATIONS
調節位置図面

5-3 PLAYBACK PERFORMANCE

DECK SETTINGS: HTI-5561: FOR HEAD AND CROSSES
 HTI-5561: FOR S/N CHECK FOR CROSSES
 HPX FILTER SW: OUT
 NR SYSTEM SW: OUT
 HTI-5511: FOR S/N CHECK FOR NORMAL
 HTI-150: FOR HEAD LEVEL CALIBRATION
 HTI-256: FOR PLAYBACK FREQUENCY RESPONSE
 TEC TEST TAPES:
 HTI-150: FOR BODY LEVEL CALIBRATION
 CHECK FOR NORMAL

ITEM	調整項目	設定	入力信号 ADJUST	測量点 MEASURING POINT RESULT RECHECK	REMARKS
1. PLAY head azimuth 输出电平	连接: Fig. 5-3 连接: Fig. 5-1	HTI-150 HTI-150	HTI-256 (10 kHz) Azimuth screws of R-P head Phase between L-ch /R-ch: 0°. Max. output at L- R-ch's. Max. output at L- R ch. (Fig. 5-6)	R12/R22 R13/R23 0 dB PEAK LEVEL METER: HTI-256	2. SPECIFIED 输出电平 Level 设置: Fig. 5-1 连接: Fig. 5-1
2. SPECIFIED 输出电平 Level 设置: Fig. 5-1					3. Head level 设置: Fig. 5-1 连接: Fig. 5-1
3. Head level 设置: Fig. 5-1					4. Playback 频率响应 特性
4. Playback 频率响应 特性					5. Playback S/N 比率
5. Playback S/N 比率					6. 产生 S/N 比 率

Fig. 5-3 Test setup for azimuth check
 Fig. 5-4 Confirming phase relationship

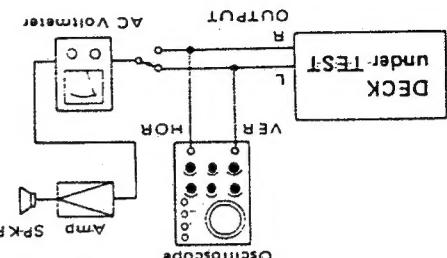
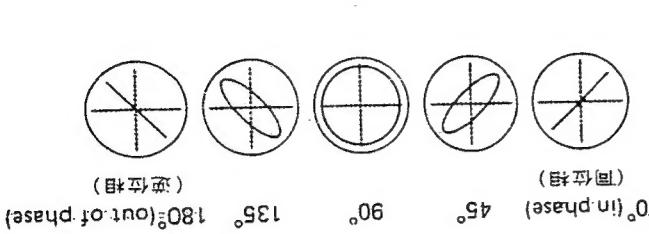
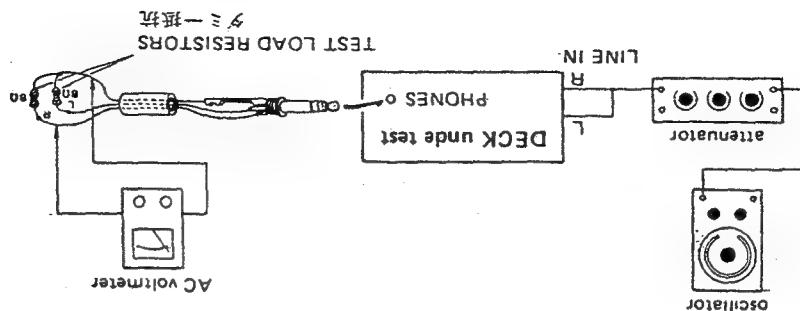


Fig. 5-7 Test setup for PHONES check 本→出力測定接続図



ITEM	設定期	入力信号	RESULT	REMARKS
6. HIN LINE INPUT LEVEL	接続図: Fig. 5-1 接続: LINE IN: 400 Hz/-19dB OUTPUT: -5dB (308mV ~ 615mV)	RECORDING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)
7. SPECIFIED LINE INPUT LEVEL	接続図: Fig. 5-7 接続: PHONES L. CONL: HAX AC load 8Ω	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)
8. PHONES LEVEL	接続図: Fig. 5-7 接続: PHONES L. CONL: HAX AC load 8Ω	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)	RECORDERING LEVEL: -5dB (436mV) (L/R) RECORDERING LEVEL CONT. 400 Hz/-9dB (275mV)

DECK SETTINGS: RECORD-PAUSE mode
NR SYSTEM SW: OUT
HDX FILTER SW: OUT

5-4 MONITOR PERFORMANCE

Fig. 5-5 Playback frequency response

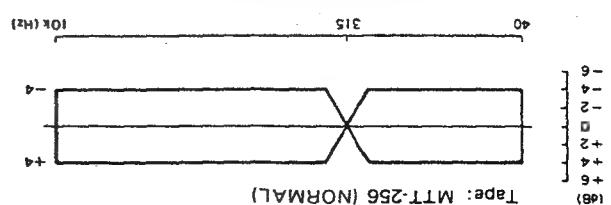
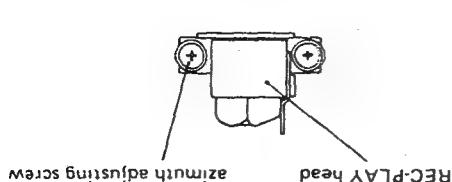


Fig. 5-6 Azimuth screw location



5-5 RECORDING PERFORMANCE

DECK settings: NR SYSTEM SW: OUT HPX SYSTEM SW: OUT RECORD SW: OUT TAAC recording test tapes SPEC. position(item 7) TAAC recording test tapes HTI-5561 : For HETAL HTI-5571 : For METAL HTI-5562 : For CRO2 TAAC recording test tapes HTI-5511 : For NORHAL BIAS FINE cont.: Center position

ITEM	整机项目	SETTING	設 定	INPUT SIGNAL	入力信号 (or CHECK)	ADJUST	HEASURING POINT.	測量點 測量開關	REMARKS
9. BIAS OSC.	频振固圈波数	Connection: Fig. 5-8	振頻	no signal	■ MARK △-7	C257:	100kHz	Refer to Fig. 5-8	
9. BIAS OSC.	频振固圈波数	Tap: HTI-5571	RECDR-PULSE mode						
10. Record bias	錄音偏壓	Connection: Fig. 5-1	振頻 400Hz & 10kHz (6.15MV)	NETTY equal level at both frequencies	ReCDR and reproduce R15/R25		兩音頻電壓平衡 兩音頻電壓平衡	兩音頻電壓平衡 兩音頻電壓平衡	Repeal if the result is un- satisfactory
11. Record level	錄音輸出	Tap: HTI-5571	400Hz/12dB (195MV)	R14/R24	-8dB(308MV)		-8dB ±3dB (218MV~436MV)	MR SYSTEM: IN & OUT	
12. Total harmonic distortion	總合諧波	Tap: HTI-5571	LINE IN: HTI-5571:2.0X or less HTI-5561:2.0X or less	400Hz/12dB (195MV)	Check				
13. Bias FINE	BIAS FINE 檢查	Tap: HTI-5571	Measure output level (record playback) at “-” position then at “+” position 錄音輸出力為“-”方向後“+”方向之零 電平則應為“+”。	10kHz/42dB (6.15MV)	Check		VariaLion between “-” and “+” than fully “+” position. “-”方向一極，滿量“+” 方向一極，滿量“+” positions:		
14. Overall freau-	頻率固圈波數	Tap: HTI-5571	Required freau- ncies: 規格之必要頻率	Standard: 規格之標準	Check		Fig. 5-9 42dB(6.15MV)		
15. Operati/ S/N	操作/ S/N	Tap: HTI-5571	OUTPUT: 45dB min. [METAL, CRO2]	1kHz/9dB (275MV)	Check		44dB min. [METAL, CRO2]	to noise 比噪音	比噪音高出 比噪音高出

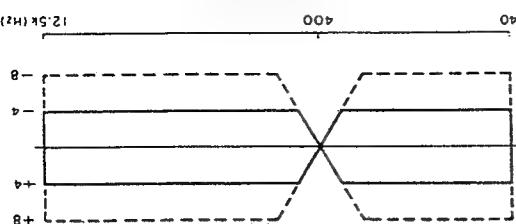
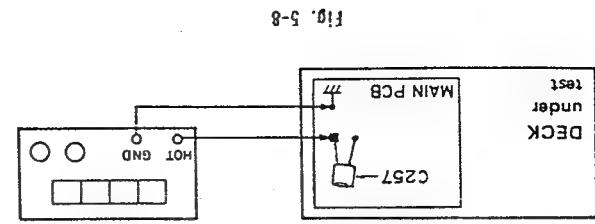
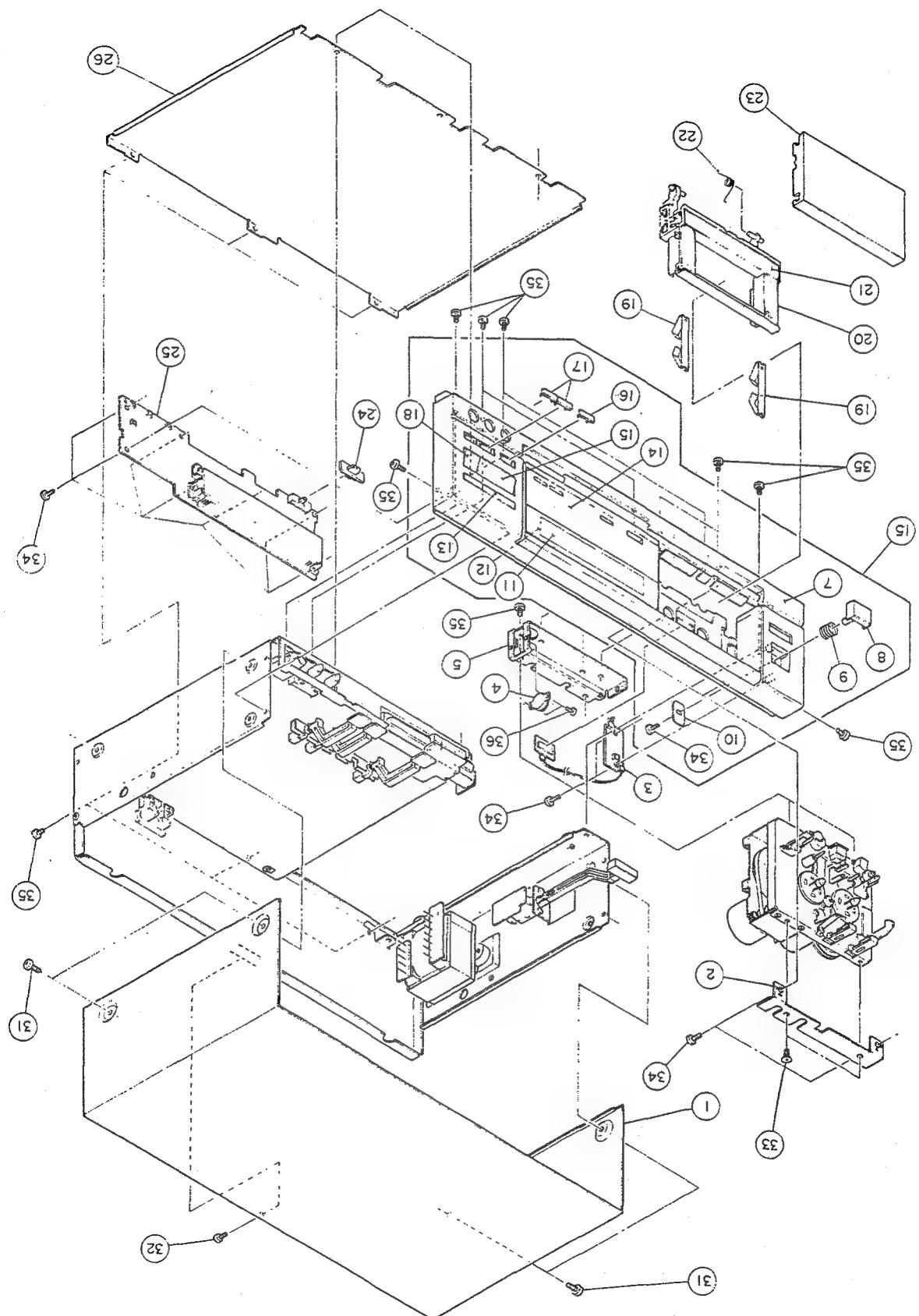
ITEM	調整項目	設定	入力信号	INPUT SIGNAL (or CHECK) ADJUST	測量點 MEASURING POINT, RESULT 測量點序 測量點序	備考 REMARKS
16. Erase efficiency	消去効率	Connection is same as in Fig. 5-1, but engage 1-kHz filter.	Record a 1-kHz signal. Rewind tape to midpoint of recorded portion. Erase the recorded portion with no input signal. Find the difference between the 1-kHz portion and the "no-signal" portion.	1kHz+1dB (0.869mV)	no signal OUTPUT: 65dB min. ratio	Ref. output level: +5dB (1.38V) dB
17. REC HUFE function	REC HUFE 効果	Connection: Fig. 5-1, but engage 1-kHz filter.	Record a 1-kHz signal. Push REC HUFE button for several seconds. (At this time, make sure LED lights). Rewind and play the tape. Find the difference between the 1-kHz portion and the "no-signal" portion.	1kHz+1dB (0.869mV)	no signal OUTPUT: 65dB min. ratio	Ref. output level: +5dB (1.38V) dB
18. Channel separation	チャンネル 分離	Connection: Fig. 5-1, but do not connect LINE IN (R), and engage 1-kHz filter.	Set the deck to record mode. Find the difference between the 1-kHz recorded portion (L-ch) and the "no signal" portion (R-ch).	1-ch 125Hz/+9dB (275mV)	1-ch NO signal R-ch NO signal 無信号 OUTPUT: 30dB min. ratio	Ref. output level: +5dB (1.38V) dB
19. Adjacent track cross talk	隣接トラック 干渉	Connection: Fig. 5-1, but do not connect LINE IN (L) and output (L).	Record a 125-Hz signal no R-ch and note output level. Invert tape and play R-ch track.	1-ch NO signal R-ch 125Hz/+9dB (275mV)	1-ch NO signal R-ch NO signal 無信号 OUTPUT: 40dB min. ratio	Ref. output level: +5dB (1.38V) dB
20. HPX FILTER	HPX FILTER 効果	Connection: Fig. 5-1, but do not connect LINE IN (L) and output (L).	Check a 125-Hz signal. R-ch 125Hz 信号を録音し、その再生出力を基準とする。次に左一トラックを再生し右一トラックを録音し、R-ch 125Hz 信号を録音する。その再生出力が基準値より±5%を越す。再生左左一トラックを録音し、右一トラックを再生し左一トラックを録音する。その再生出力が基準値より±5%を越す。	LINE IN 19kHz/+9dB (275mV)	LINE IN 19kHz/+9dB (275mV)	Ref. output level: +5dB (1.38V) dB
Fig. 5-9 Overall frequency response						
						
						

Fig. 5-9 Overall frequency response

Fig. 5-8



EXPLODED VIEW-1

分解図2/1-2/1-2

6 EXPLODED VIEWS AND PARTS LIST

Parts marked with *require longer delivery time.

[A]:AUSTRALIA [GE]:GENERAL EXPORT [J]:JAPAN
[US]:U.S.A. [E]:EUROPE [UK]:U.K. [C]:CANADA

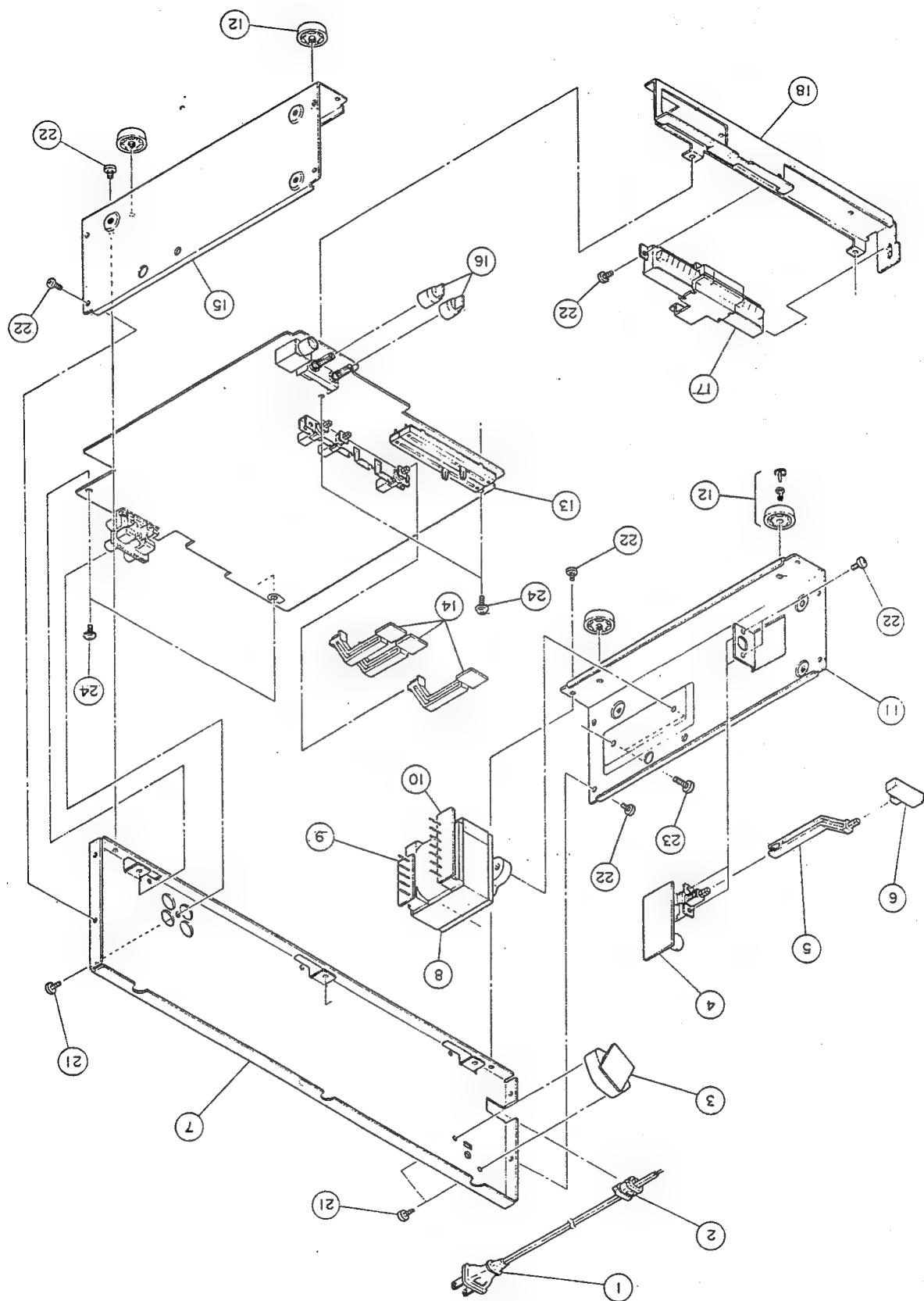
*5350011600 CORD, IN-OUT 1.0M
*5700083600 OWNER'S MANUAL [J]
*5700083500

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
INCLUDED ACCESSORIES			

1-1	*5800809700	BONNET, PLATE(B), MECHANISM	Ref. Page 22 & 25
1-2	*5800820601	PLATE(B), MECHANISM	
1-3	*5200199600	DETCT SW PCB ASSY	
1-4	*5730012200	DETCT SW PCB ASSY	
1-5	*5800820500	PLATE(A), MECHANISM	
1-6	*5800820201	PANEL(D)ASSY, FRONT	
1-7	*5800820301	PANEL(D), FRONT	
1-8	*5800866000	BUTTON(B), DETCT	
1-9	*5800849000	BUTTON(B), DETCT	
1-10	*5800821300	BRACKET, DETCT	
1-11	*5800835100	WINDOW(A), METER	
1-12	*5800807000	SHEET, METER	
1-13	*5800807700	BUTTON(D)	
1-14	*5800820400	BUTTON(D), MODE	
1-15	*5800834800	BUTTON(G)	
1-16	5800807800	BUTTON(E)	
1-17	5800807900	BUTTON(F)	
1-18	5800834900	BUTTON(H)	
1-19	5800603801	SPRING, CASS, PRESS.	
1-20	*5800820700	HOLDE(B), ASSY, CASSETTE	
1-21	*5800820800	SHEET(C), HOLDER	
1-22	*5800803601	SPRING, HOLDER UP	
1-23	5800821800	WINDOW(A), CASSETTE	
1-24	5800808201	KNOB	
1-25	*5200199500	LEVEL METER PCB ASSY	Ref. Page 24 & 26
1-26	*5800809600	COVER, BOTTOM	
1-27	*5800612400	SCREW, BONNET MX8 BLK	
1-28	*5783613008	SCREW, C, TITLE MX8 BNI	
1-29	*5783043006	SCREW, FLAT; S TITLE MX8	
1-30	*5783603008	SCREW, BIND; P TITLE MX8	
1-31	*5783033006	SCREW, BIND; S TITLE MX8	
1-32	*5783033006	SCREW, BIND; S TITLE MX8	
1-33	*5783043006	SCREW, FLAT; S TITLE MX8	
1-34	*5783603008	SCREW, BIND; P TITLE MX8	
1-35	*5783033006	SCREW, BIND; S TITLE MX8	
1-36	*5780002004	SCREW, BIND MX4	

EXPLODED VIEW-1

V-770

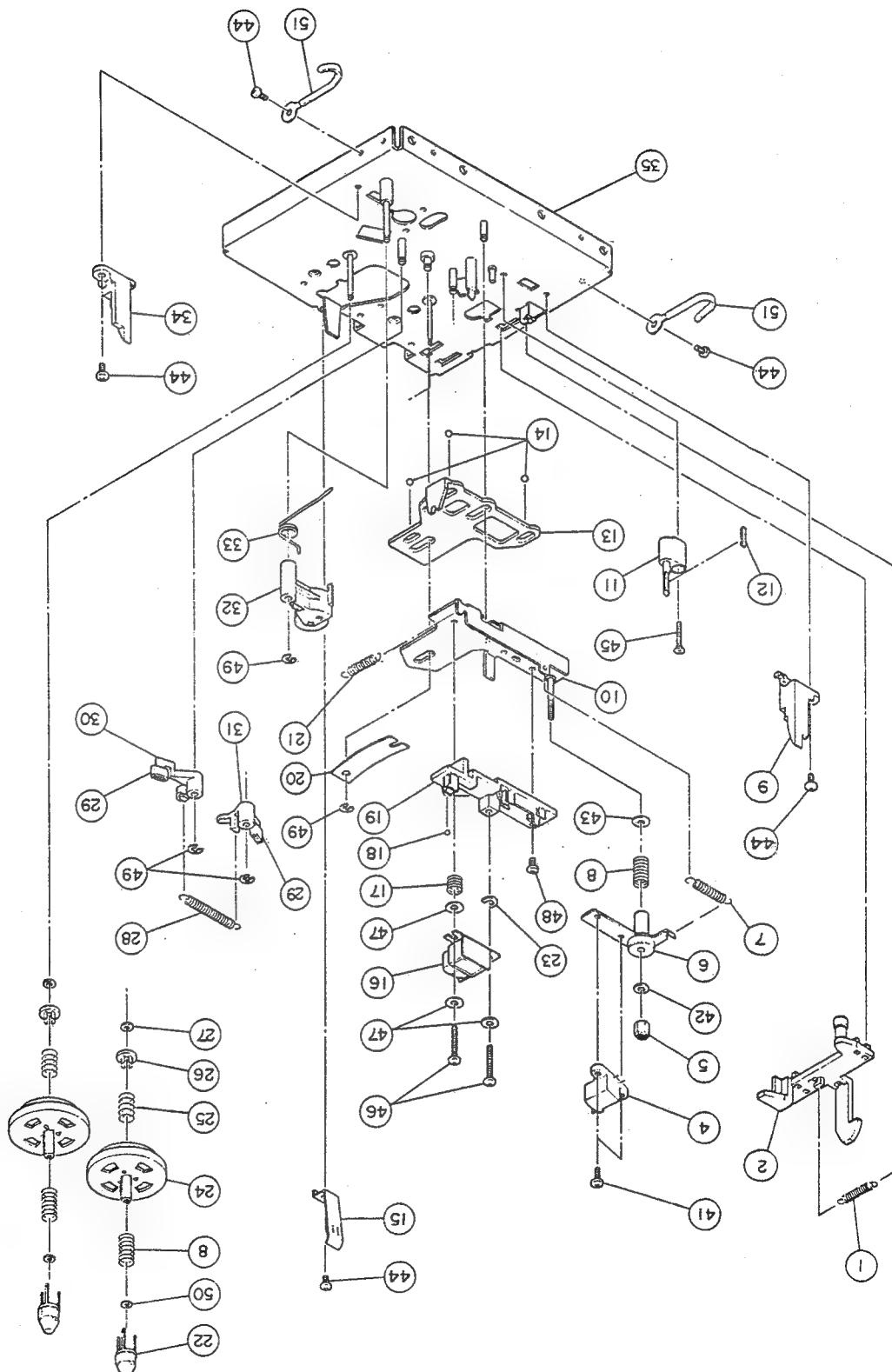


EXPLODED VIEW-2

Parts marked with *require longer delivery time.

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[A]:AUSTRALIA [GE]:GENERAL EXPORT [J]:JAPAN

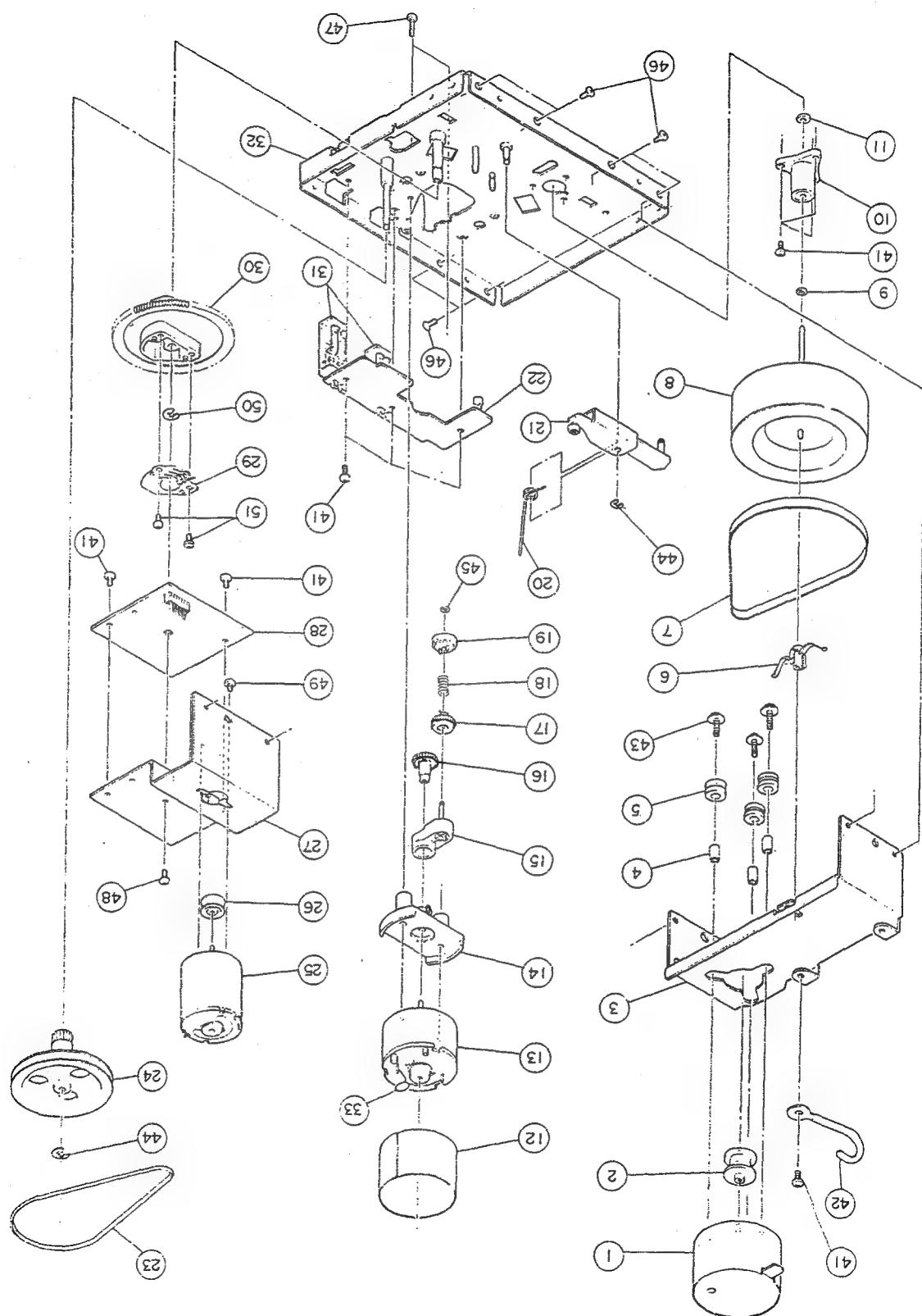
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	△*5128027000	CORD,AC [J]	
	△*5128047000	CORD,AC [UK]	
	△*5350008300	CORD,AC [A]	
	△*5350010800	CORD,AC [US,C,GE]	
	△*5350011700	CORD,AC [E]	
2- 2	△*5317003400	BUSHING 2271	
2- 3	*5200200000	VOLTAGE SELECTOR PCB ASSY [GE]	Ref. Page 22 & 25
2- 4	*5200199700	POWER SW PCB ASSY	Ref. Page 22 & 25
2- 5	*5800740500	ROD	Ref. Page 22 & 25
2- 6	5800752300	BUTTON,POWER(B)	Ref. Page 22 & 25
2- 7	*5800835000	PANEL(B),REAR	
2- 8	△ 5320040300	TRANSFORMER,POWER [J]	
2- 9	*5270199900	TRANSFORMER,PCB EX [GE]	
2-10	*5210198000	TRANSFORMER PCB A	
2-11	*5800809400	CHASSIS L	
2-12	*5730003300	CHASSIS L	
2-13	*5200199400	MAIN PCB ASSY	
2-14	5800808300	BUTTON,PUSSH	
2-15	*5800809300	CHASSIS R	
2-16	5800821900	KNOB(B),VR	
2-17	*5800808400	KNOB(A) ASSY,VR	
2-18	*5800809200	BRACKET,PCB	
2-19	*5783603008	SCREW,BIND P TITE M3X8	
2-20	*5783033006	SCREW,BIND S TITE M3X6	
2-21	*5781104016	SCREW,TAP;BIND M4X16	
2-22	*5783073006	SCREW,PAN CAP S TITE M3X6	
2-23	*5783073006	SCREW,PAN CAP S TITE M3X6	
2-24	*5783073006	SCREW,PAN CAP S TITE M3X6	



EXPLODED VIEW-3

Parts marked with * require longer delivery time.

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	*5800737200	SPRING,LOCK	
3- 2	*5800821400	LEVER(B)ASSY,LOCK	
3- 3	5378904300	HEAD,ERASE 4-A	
3- 4	*5781953000	NUT,NYLON M3	
3- 5	*57800235600	GUIDE(L),CASSETTE	
3- 6	*5800234601	PLATE ASSY,HEAD	
3- 7	*5800519001	SPRING,E,HEAD PRES.	
3- 8	*5800231300	SPG,REEL	
3- 9	*5800821600	GUIDE(L),CASSETTE	
3-10	*5800235600	BASE SUB ASSY,HEAD	
3-11	*5800235201	HOLDER,PA0	
3-12	5800235201	PAD,HEAD	
3-13	*5800122802	SLIDER	
3-14	*5540005600	STEEL BALL 3MM	
3-15	5800734901	SPRING,CASSETTE	
3-16	5378901300	HEAD,R/P COMBINATI0N	
3-17	*5800114700	SPRING,HEAD ADJUSTMENT	
3-18	*55400055000	STEEL BALL 2MM	
3-19	*5800238303	HOLDER(B),HEAD	
3-20	*5800735000	SPRING,HEAD	
3-21	*58004455100	SPRING,ARM BASE	
3-22	5800236501	RING,DRIVE	
3-23	*5800468900	SPACER,HEAD	
3-24	*5800735800	REEL TABLE ASSY,	
3-25	*5800481901	SPRING,B, TENSION	
3-26	*5800231500	HOLDER,SPRING	
3-27	*5800539800	WASHER,1.7X4X0.3T	
3-28	*5800616100	SPRING,BRAKE	
3-29	*5800126401	SHOE,BRAKE	
3-30	*5800439701	ARM(R),BRAKE	
3-31	*5800439601	ARM(L),BRAKE	
3-32	5800239002	PINCH ROLLER ASSY	
3-33	*5800735601	SPRING,ARM,PINCH	
3-34	5800821700	GUIDE(R),CASSETTE	
3-41	*5780002006	SCREW,BIND M2X6	
3-42	*5785003300	POLYSLIDER 3X6X0.5T	
3-43	*5783032606	FLAT WASHER,3X8X0.5T	
3-44	*5780003000	SCREW,BIND 3X6X	
3-45	*5783042614	SCREW,FLAT;S TITE M2.6X14	
3-46	*5780002016	SCREW,BIND M2X16	
3-47	*5785012000	WASHER,2X6X0.5T	
3-48	*5780002005	SCREW,BIND M2X5	
3-49	*5786002000	E RING E-2 (JIS)	
3-50	*5785331100	POLYSLIDER 1.2X3.6X0.5T	
3-51	*5581038000	HARNESS CLIP(A)	



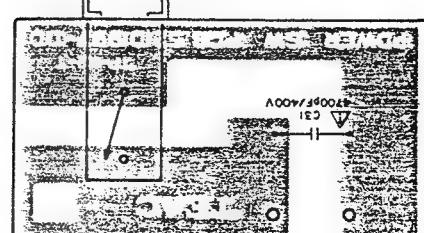
EXPLODED VIEW-4

Parts marked with * require longer delivery time.

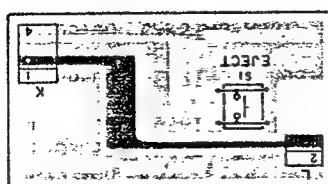
REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
4- 1	5370004200	MOTOR,C,DC PULLEY,MOTOR	
4- 2	5800232200	PULLEY,C,DC BRACKET(A),MOTOR	
4- 3	*5800737600	SPACER,3.0X5.0MM	
4- 4	*5785603050	SPACER,3.0X5.0MM	
4- 5	*5534537000	CUSHION,RUBBER	
4- 6	*5800236900	BEARING,THRUST	
4- 7	5800735500	BELT	
4- 8	5800735100	CAPSTAN ASSY	
4- 9	*5800735300	WASHER,THRUST	
4-10	5800238800	HOUSING ASSY,CAPSTAN	
4-11	*5800735401	WASHER,OIL RETAINER	
4-12	*5800235900	PLATE,SHIELD	
4-13	*5800202502	MOTOR,REL,DC	
4-14	*5800732601	HOLDER,MOTOR	
4-15	*5800461500	ARM ASSY,PULLEY	
4-16	5800736000	PULLEY,GEAR(A)	
4-17	5800461600	PULLEY(B),ASSY,GEAR	
4-18	*5800430200	PULLEY,PULLEY	
4-19	5800430302	SPRING,ASSY	
4-20	*5800530101	SPRING(B),BASE RETURNING	
4-21	*5800736600	ARM ASSY,ACTUATING	
4-22	*52000782200	SENSER,PCB ASSY	
4-23	5800077200	BELT	
4-24	5800117200	PULLEY,REDUCTION	
4-25	5370005100	MOTOR,DC	
4-26	58000123300	PULLEY,V	
4-27	*58000737700	PLATE(B),MOTOR	
4-28	*5210184100	PCB,CAW	
4-29	*58000595300	PLATE,CONTACT	
4-30	5800737800	CAW,CONTACT	
4-31	5301753700	SW,LEAF	
4-32	*58000737300	CHASSIS ASSY,MECHANISM	
4-33	*5173395000	C,CERAMIC O,0.47MF 50V	
4-41	*5783032606	SCREW,BIND M2.6X6	
4-42	*55851038000	HARNESS CLIP(A)	
4-43	*5780142608	SCREW,PAN,SEMS B M2.6X8	
4-44	*5786002000	E RING E-2 (JIS)	
4-45	*5785331500	MASHER,POLIS. 1.5X4X0.5T	
4-46	*5783042605	SCREW,FLAT,S TITE M2.6X5	
4-47	*5780002617	SCREW,BIND M2.6X17	
4-48	*5780002005	SCREW,BIND M2.6X25	
4-49	*5786002603	SCREW,BIND M2.6X3	
4-50	*5786003000	E RING E-3 (JIS)	
4-51	*5781112004	SCREW,TAP;BIND M2X4	

7 PC BOARDS AND PARTS LIST

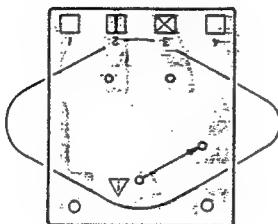
POWER SW PCB ASS.Y



EJECT SW PCB ASS.Y



VOLTAGE SELECTOR PCB ASS.Y



NOTES

- PC boards are shown viewed from foil side.
- The colors on the PC board illustrations have the following significance:
 - +B POWER SUPPLY CIRCUIT : +B Power supply circuit
 - B POWER SUPPLY CIRCUIT : -B Power supply circuit
 - GND : GND
 - OTHER : Other
- Resistor values are in ohms (k=kilo-ohms M=megohms).
- All capacitor values are in microfarads (P=picofarads).
- Parts marked with this sign are safety critical components.
- Parts always be replaced with this sign are exact replacement.

Refer to the appropriate parts list to ensure exact replacement.

注

- 基板回路の回路図を示す。
- 7.12.6.19→12.次回の基板回路図を示す。
- 基板回路の回路図を示す。
- 抵抗の単位は $k = k\Omega$, $M = M\Omega$ です。
- コンデンサの単位は $P = pF$ です。
- △マークの部品は安全要素部品です。
- △マークの部品は安全要素部品です。
- △マークの部品は安全要素部品です。
- △マークの部品は安全要素部品です。

Parts marked with *require longer delivery time.

[GE]:GENERAL EXPORT

Note
As regards the resistors and capacitors, refer to the circuit diagrams and the PCB assembly drawings included in this brochure.

REF. NO.	PARTS NO.	DESCRIPTION
MAIN PCB ASSY		
*5200199700	POWER SW PCB ASSY	
*5210199400	MAIN PCB ASSY	
*5200199400	SCRW,BIND P TITE M3X8	
*573000900	CERAMIC OSC KBR-800H	
D002-D008	5224015020 DIODE,1SS133T-77	
D009	5224572001 DIODE,1SS133T-77	
D010	5224573801 DIODE,ZENER RD6,2EL2 FR	
D011	522457501 DIODE,ZENER RD11EL2 FR	
D012	5224014400 DIODE,SM-1A-02 LFA	
D013-D015	5224015020 DIODE,1SS133T-77	
D016	5224015020 SILICON STACK,STWB8(A)20	
D017	5224544901 DIODE,ZENER RD22EB1 FR	
D018-D021	5224015020 DIODE,1SS133T-77	
D019	5224012200 DIODE,1SS2473	
D020	5224012200 DIODE,1SS133T-77	
D021	5224015020 DIODE,ZENER RD6,2EL2 FR	
D022-D008	5224015020 DIODE,ZENER RD3,3EL2 FR	
C01	5347000900 CERAMIC P TITE M3X8	
S001	*5200199600 EJECT SW PCB ASSY	
S002	*5210199600 EJECT SW PCB	
S003	5225015100 EJECT SW PCB	
S004	5302103200 SW.,TACT KHH10910	
D001	*5200199600 EJECT SW PCB ASSY	
D002	*5210199600 EJECT SW PCB	
D003	5225015100 EJECT SW PCB	
D004	5302103200 SW.,TACT KHH10910	
POWER SW PCB ASSY		
C031	*5267703800 POWER SW PCB	
S020	*5300031900 SW.,PUSH 1-1	
C032	*5267703800 SPARK KILLER,4700PF400V M	
EJECT SW PCB ASSY		
D001	*5200199600 EJECT SW PCB ASSY	
D002	*5210199600 EJECT SW PCB	
D003	5225015100 EJECT SW PCB	
D004	5302103200 SW.,TACT KHH10910	
VOLTAGE SELECTOR PCB ASSY		
L103	*5200200000 VOLTAGE SELECTOR PCB	
L104,L105	*5332016300 VOLTAGE SELECTOR FS907BB	
P001	5286006700 COIL,CHOKE 1.2MH	
P002	5336126200 CONN.,PLUG 8263-021 WHT	
P003	5336126300 CONNECTOR PLUG WHT	
P004	5336137600 CONNECTOR PLUG WHT	
P005	53361376300 CONNECTOR PLUG WHT	
P006	5336126500 CONNECTOR PLUG WHT	
P007	5336126400 CONNECTOR PLUG WHT	
P008	5336135400 CONNECTOR PLUG WHT	
P009	5230018920 SI.TR.2SD115F	
P010	5230018920 SI.TR.2SD2603F	
P011	52300508900 SI.TR.2SB772P	
P012,P020	5231761400 SI.TR.2SD1302S	
P013,P023	5230780920 SI.TR.2SC2603F	
P014	5230780920 SI.TR.2SC2603F	
P015	5230018920 SI.TR.2SC2603F	
P016	5230018920 SI.TR.2SA1115F	
P017	5284011800 1S2UVR 9, 20KAX2	
P018	52840118300 1S2UVR 9, 5KB	
P019	52840121510 R.,NON-FLAMMABLE 10 3 FF	
P020	5284010202 VR.,50KAX2 SLIDE	
P021	5280021704 R.,TRIMMER 47KB H.	
P022	52800217304 R.,TRIMMER 47KB-H.	
P023	52800217304 R.,TRIMMER 47KB-H.	
P024	52800217304 R.,TRIMMER 10KB	
P025	52800217304 R.,TRIMMER 10KB	
R015	52800217304 R.,TRIMMER 10KB	
R016	52800217304 R.,TRIMMER 10KB	
R017	528401182900 R.,,INCOMB. 4.7 OHM 1W 3	
R018	528401182910 R.,,INCOMB. 4.7 OHM 1W 3	
R019	528401182910 R.,,INCOMB. 4.7 OHM 1W 3	

Parts marked with * require longer delivery time.

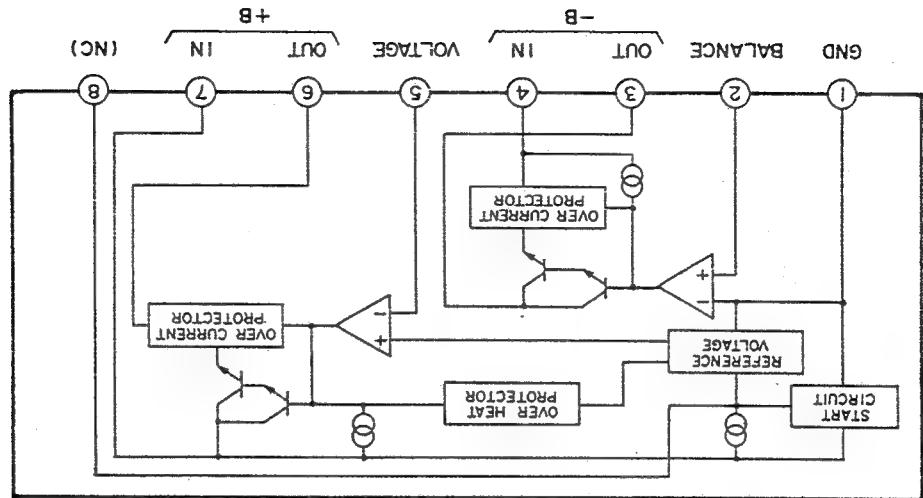
Note
 As regards the resistors and capacitors, refer
 to the circuit diagrams and the PCB assembly drawings
 included in this brochure.

REF. NO.	PARTS NO.	DESCRIPTION
LEVEL METER PCB ASSY		
R080, R085 A5241217110	R., NONFLAMMABLE TW 47 J	LEVEL METER PCB ASSY
*5200199500	*5210199500	LEVEL METER PCB
R094	A5181986000	R., INCOMBUSTIBLE 33
D022-D036	*5800809100	HOLDER METER
U001	5300043600	SWITCH, PUSH PSE053AF
U001	5220806601	IC, LCG510C-3033
U002, U003	5220427800	IC, BA6209
F01	5347004000	FL TUBE FT60AW12Y
U004-U013	5222252520	TR., DIGITAL RT1N241S
S002	5300909600	SW., SLIDE 2-3
S003-S013	5302103200	SW., TACT KHH10910
S014	5302102000	SW., TACT KHL15910
S015, S016	5302103200	SW., TACT KHH10910
U017	5220425800	IC, M5230LA
U016	5220040400	IC, M4011BP
U015	5222252620	TR., DIGITAL RT1P241S
U014	5220430300	IC, L78M05
U013	5220427000	IC, CX20187
U012, U211	5292806000	FILTER, LP 19.8KHZ
U011, U212	5220416200	IC, M5218L
U012	5220416200	FILTER, LP 19.8KHZ
U013	5220021600	IC, CX20187
U014, U214	5292805900	FILTER, LOWPASS 100KHZ
U015	5220039100	IC, AN6256
U016	5232252520	TR., DIGITAL RT1N241S
U017, U210	5292805600	FILTER, LOWPASS MPX
U018	5220021600	IC, MA066BP
U019	5232252900	TR., ARRAY LB1290
U019	5220041100	IC, HAT2067NT
U020, U202	5292805700	FILTER, LOWP, 100KHZ
U020	5220427000	IC, CX20187
U021	5220426200	IC, M51143AL
U022	5220021600	IC, CX20187
U023	5220427000	IC, CX20187
U024	5292806000	FILTER, LP 19.8KHZ
U024, U204	5220427000	IC, CX20187
U025	5232252520	TR., DIGITAL RT1N241S
U026	5220426200	IC, M51143AL
U027	5220021600	IC, CX20187
U028	5220427000	IC, CX20187
U029	5232252520	TR., DIGITAL RT1N241S
U030	5220427000	IC, CX20187
U031	5220426200	IC, M5218L
U032	5220426200	IC, M5218L
U033	5302103200	SW., TACT KHH10910
U034	5302102000	SW., TACT KHL15910
U035, S016	5302103200	SW., TACT KHH10910
U036	5232252900	TR., ARRAY LB1245
U037	5220425800	IC, M5230LA
U038	5232253200	TRANSISTOR ARREY LB1245
U039	5232252900	TR., ARRAY LB1290
U040	5220426200	IC, M5220P
U041	5220427000	IC, CX20187
U042	5292805700	FILTER, LOWP, 100KHZ
U043	5220427000	IC, CX20187
U044	5220430300	IC, L78M05
U045	5232252620	TR., DIGITAL RT1P241S
U046	5220426200	IC, M51143AL
U047	5220427000	IC, CX20187
U048	5220021600	IC, CX20187
U049	5220427000	IC, CX20187
U050	5232252520	TR., DIGITAL RT1N241S
U051	5220426200	IC, M5218L
U052	5220426200	IC, M5218L
U053	5300909600	SW., SLIDE 2-3
U054	5302103200	SW., TACT KHH10910
U055, S016	5302102000	SW., TACT KHL15910
U056	5232252900	TR., ARRAY LB1245
U057	5220426200	IC, M4066BP
U058	5220021600	IC, CX20187
U059, U209	5232252520	TR., DIGITAL RT1N241S
U060	5220426200	IC, M51143AL
U061	5220427000	IC, CX20187
U062	5292805600	FILTER, LOWPASS MPX
U063	5220021600	IC, CX20187
U064	5220427000	IC, CX20187
U065	5232252520	TR., DIGITAL RT1N241S
U066	5220426200	IC, M51143AL
U067	5220427000	IC, CX20187
U068	5220021600	IC, CX20187
U069	5220427000	IC, CX20187
U070	5292805700	FILTER, LOWP, 100KHZ
U071	5220427000	IC, CX20187
U072	5220416200	IC, M5218L
U073	5220416200	IC, M5218L
U074	5220021600	IC, CX20187
U075	5220427000	IC, CX20187
U076	5220430400	IC, UPC1297CA
U077-U120	5232252520	TR., DIGITAL RT1N241S

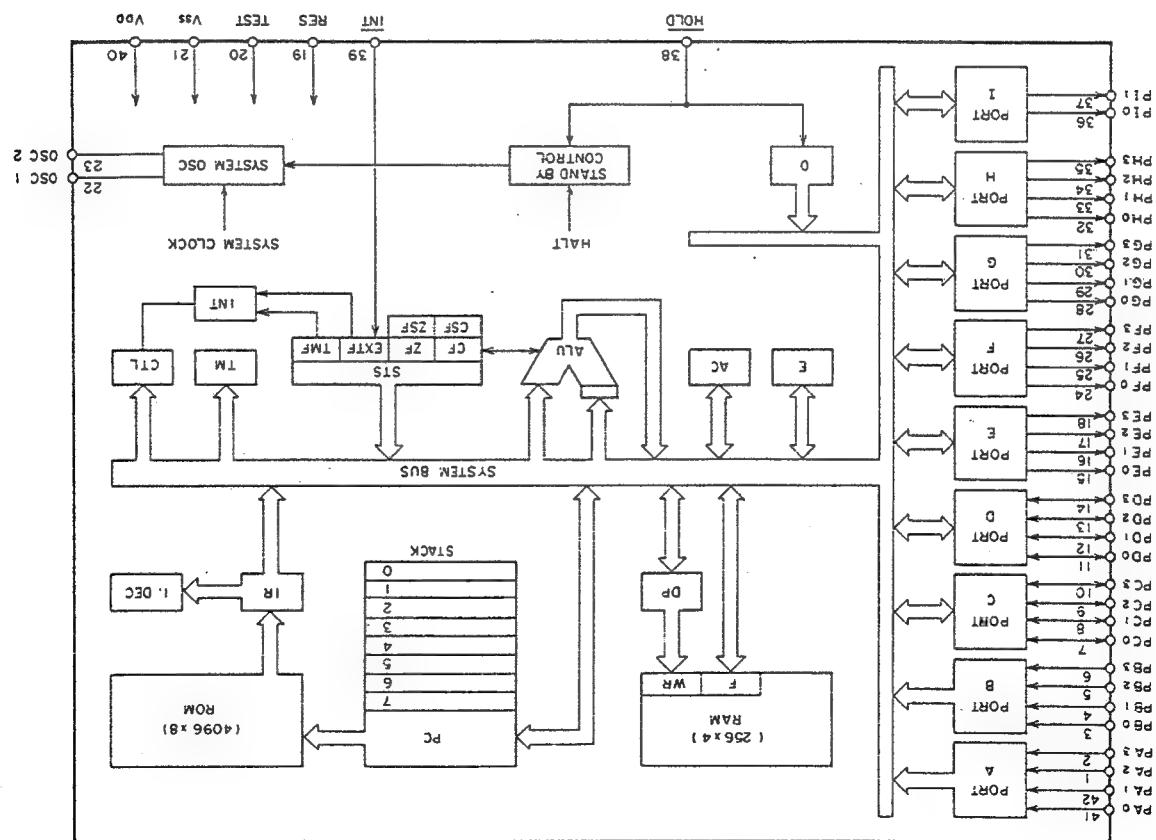
LEVEL METER PCB ASSY

MAIN PCB ASSY

A-770



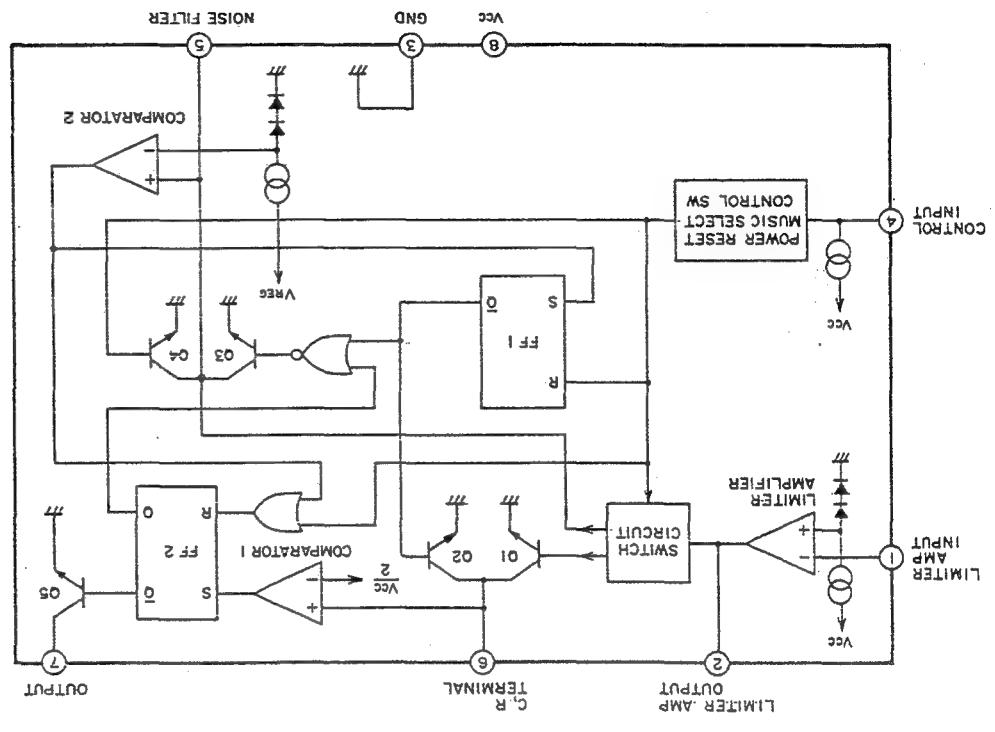
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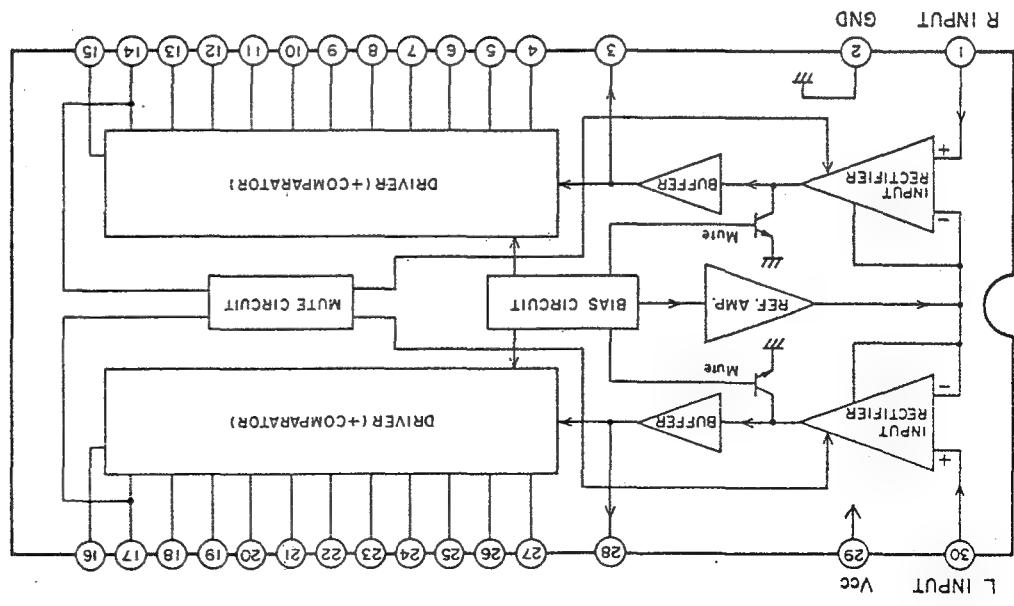
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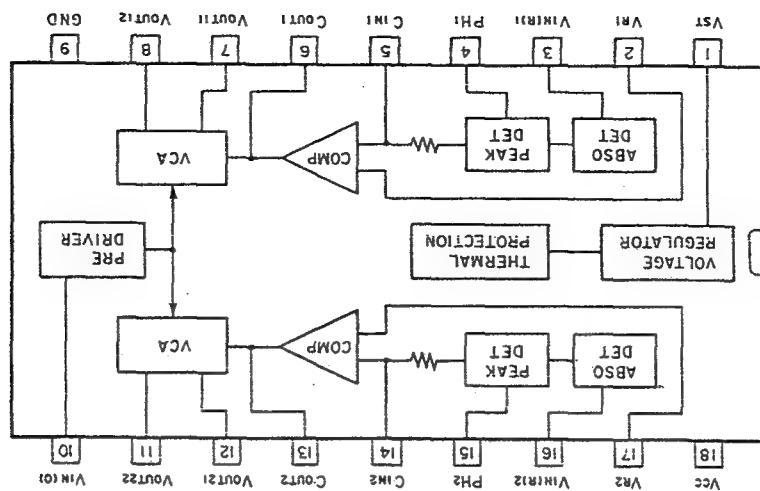
8 IC BLOCK DIAGRAMS



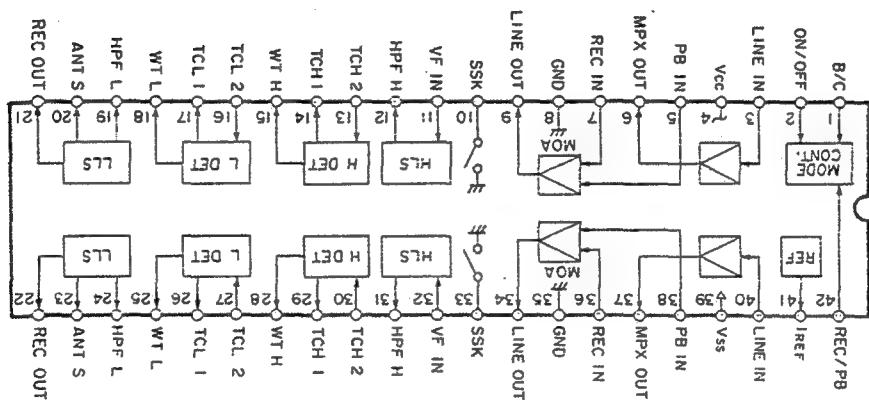
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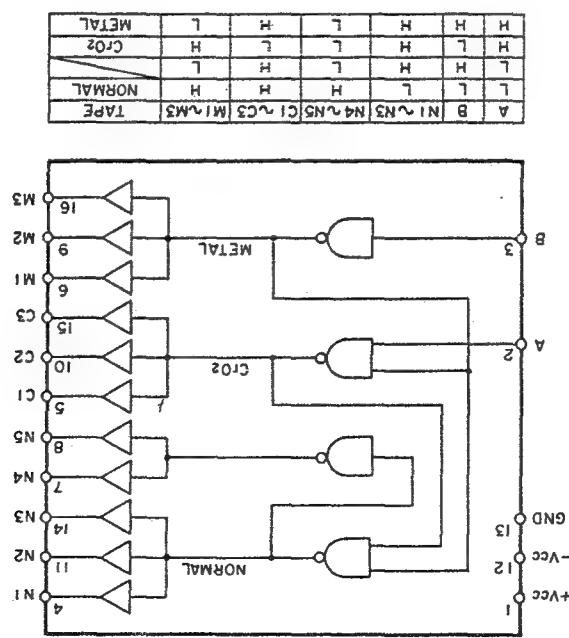
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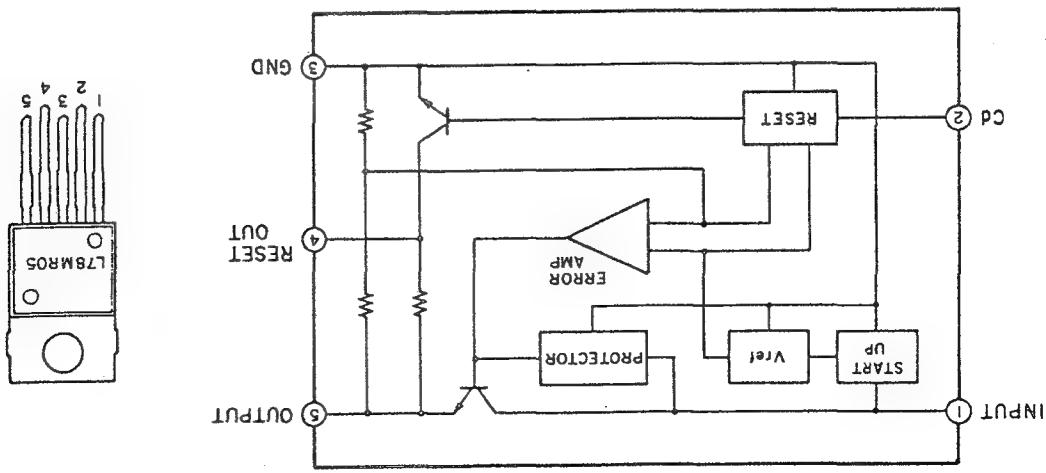
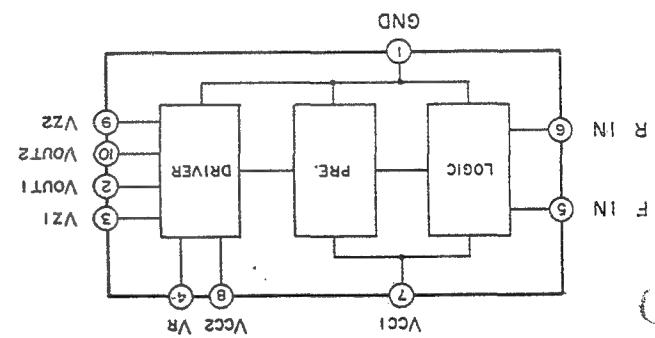
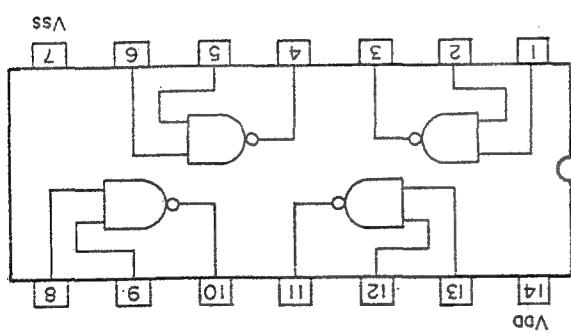
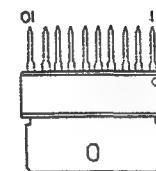
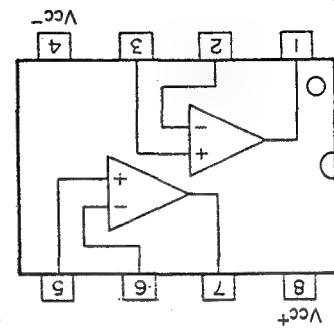
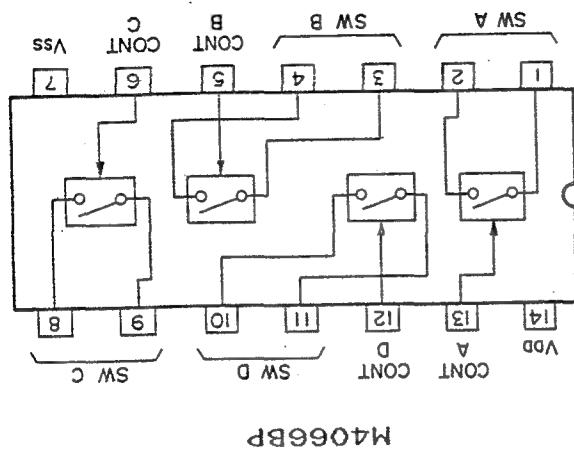
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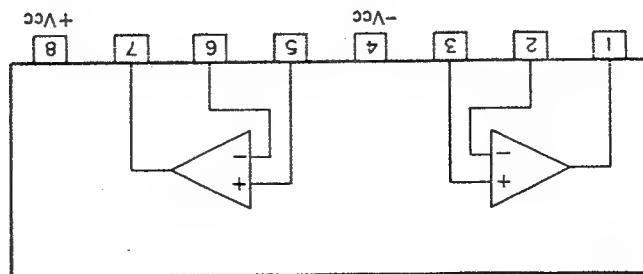
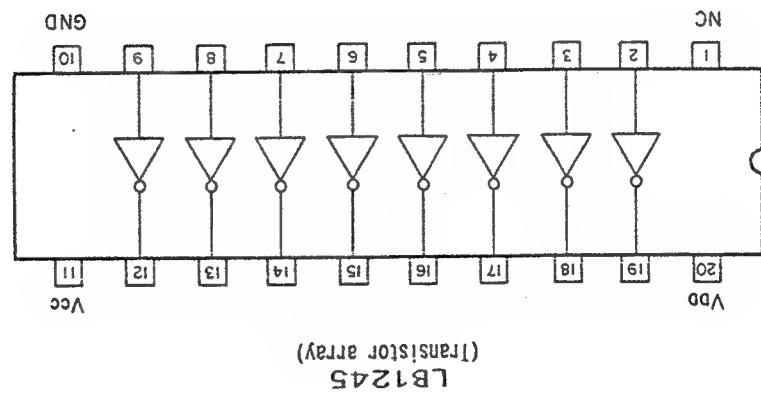
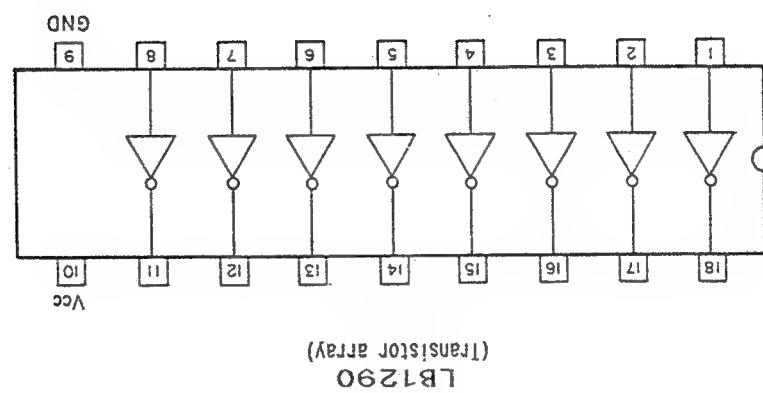


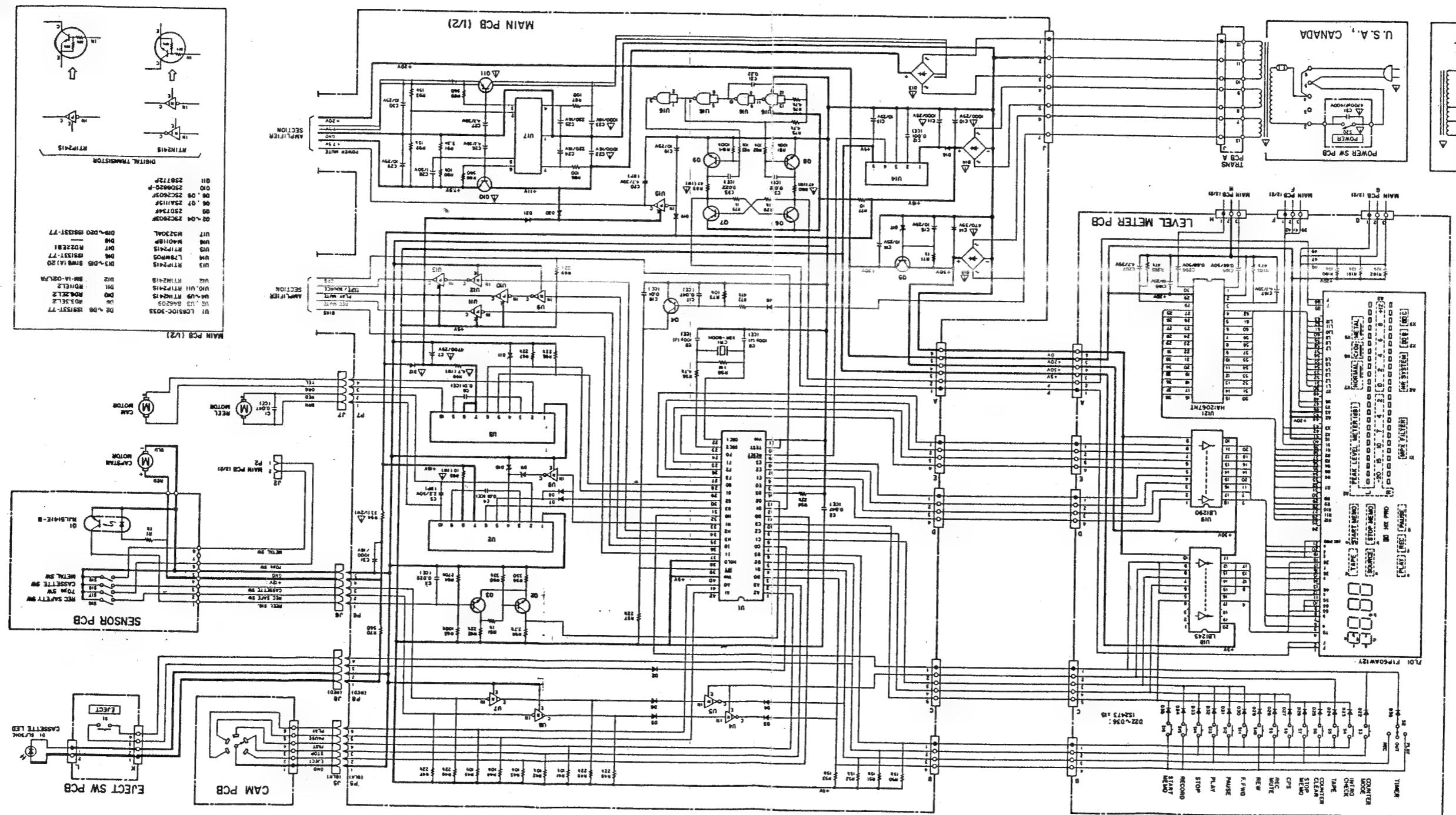
CX20187



AN6256







TEAC SCHEMATIC DIAGRAM V-770

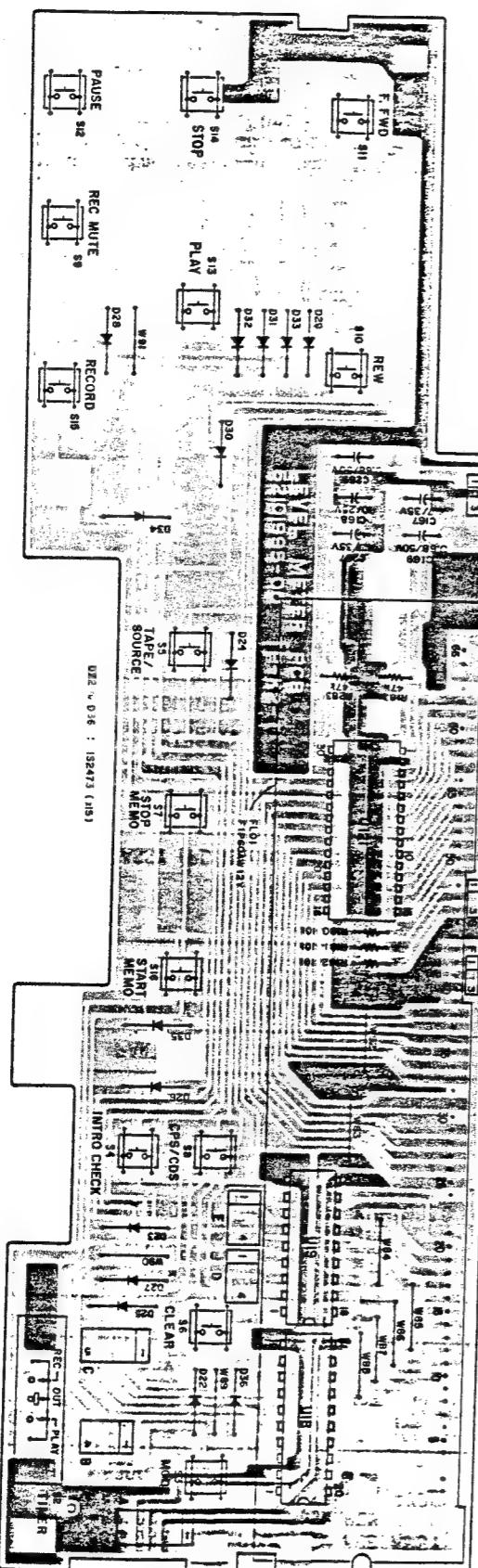
INSTRUCTIIONS FOR SERVICE PERSONNEL
REFINE MELTING/REFINING PROCESS TO CUSTOMER
CHANGES OR RESTRUCTURE MEASUREMENTS TO DETERMINE THAT EXPOSED
WALLS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

Resistor values are in ohms (k -kilo-ohms, M -megohms). Capacitor values are in picofarads (p -picofarads). All voltage and signal level values are for reference only.

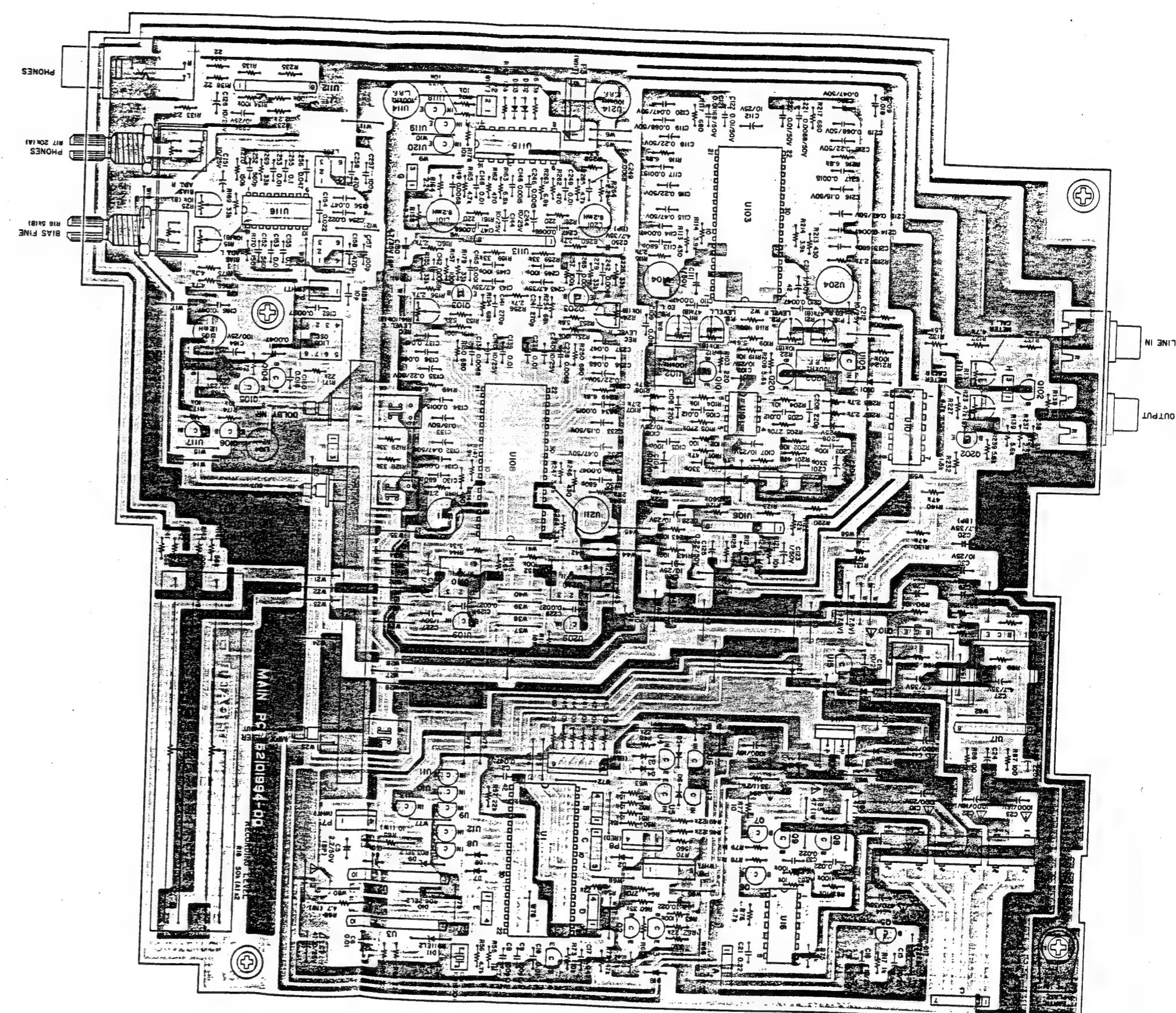
These must always be replaced with identical components

ASB = 0.1776

（六）加强质量监督，促进质量提升。要健全质量管理体系，加强质量基础设施建设，提升质量监管效能，促进质量水平整体提升。

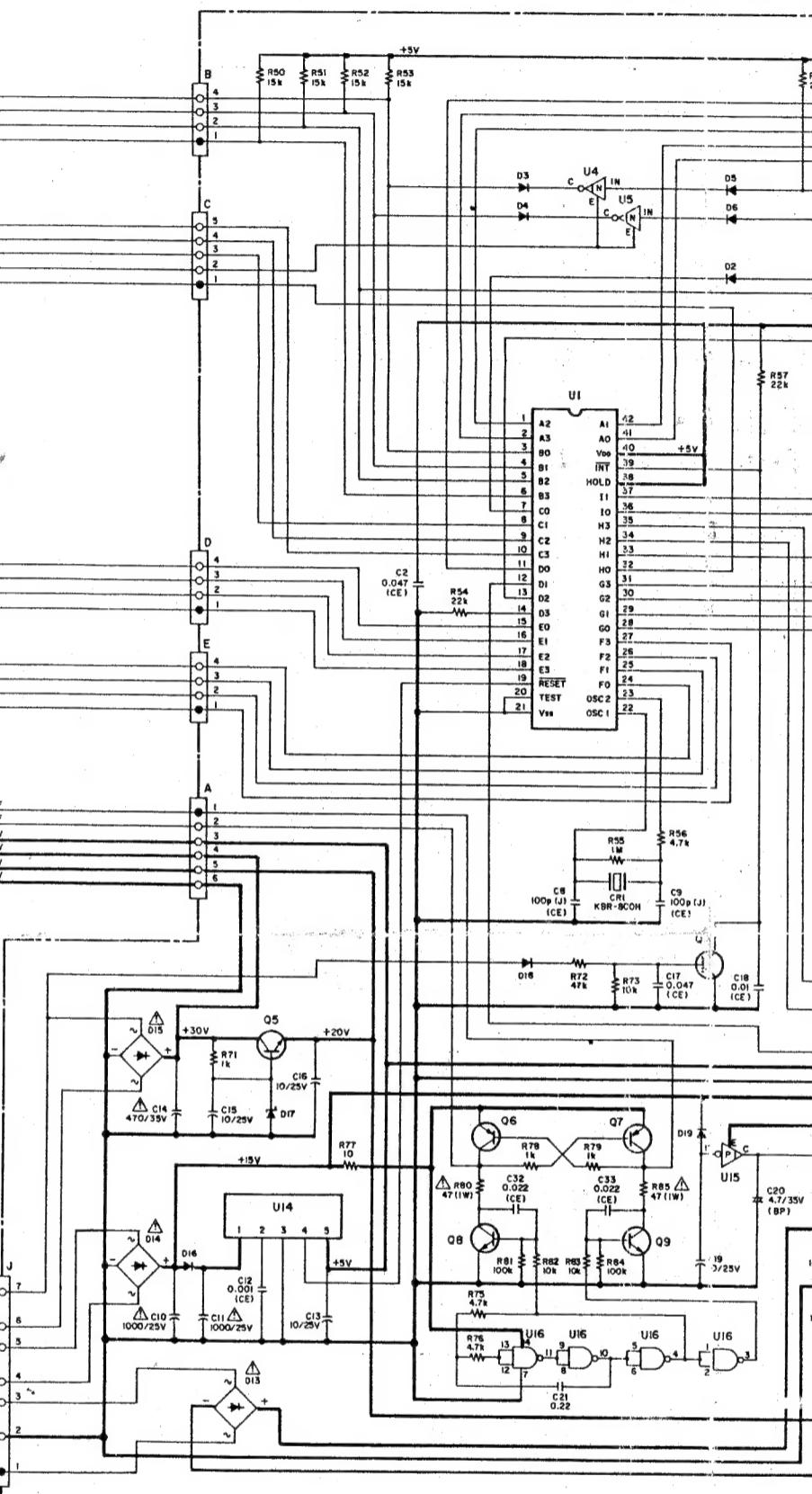
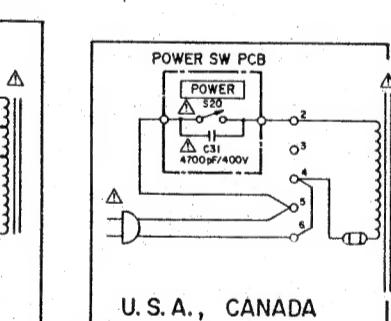
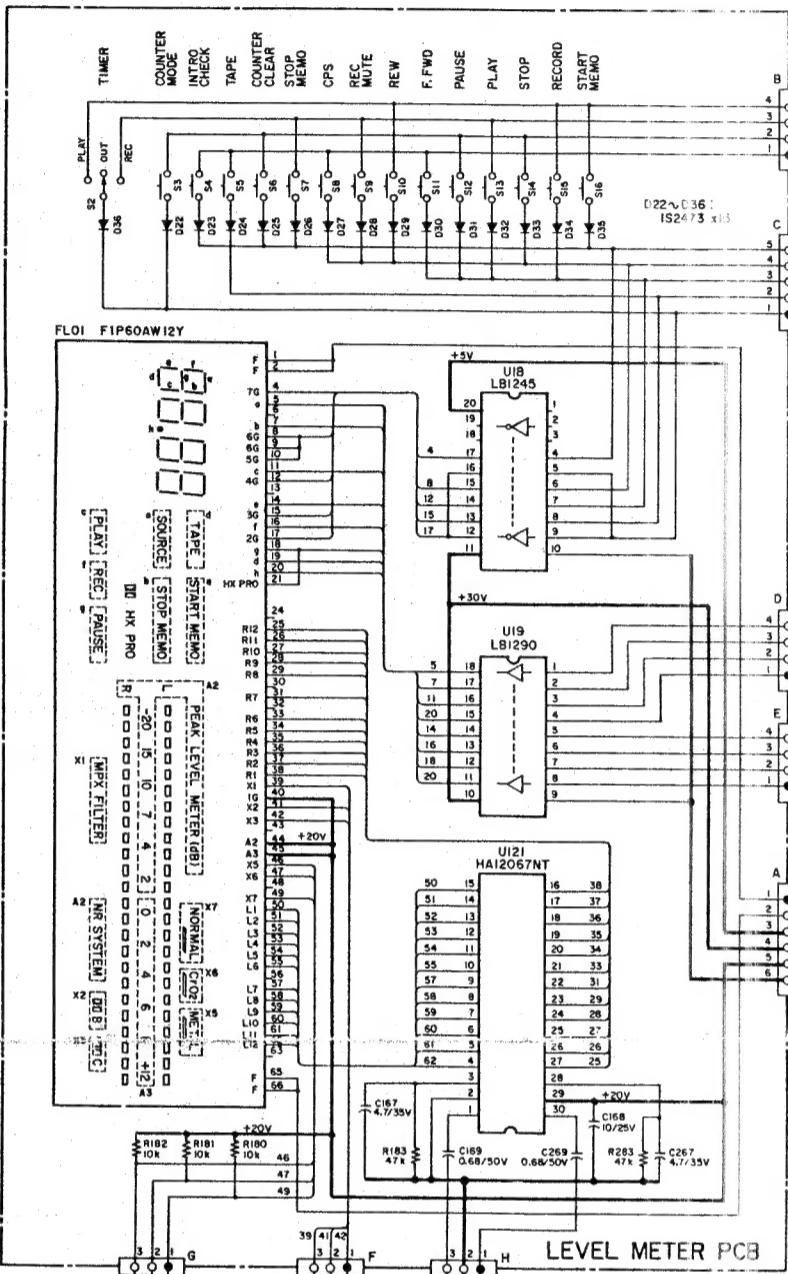
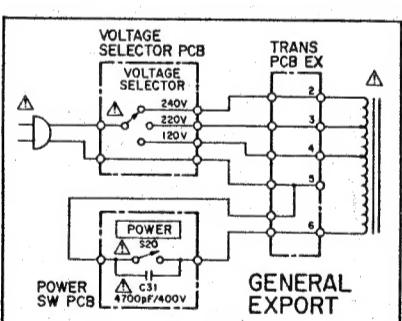
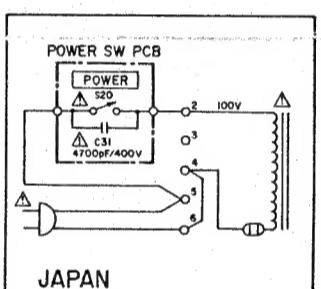
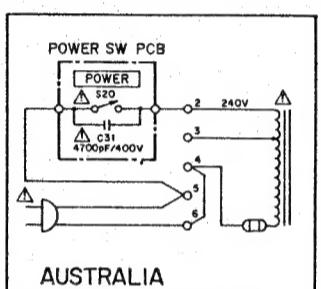
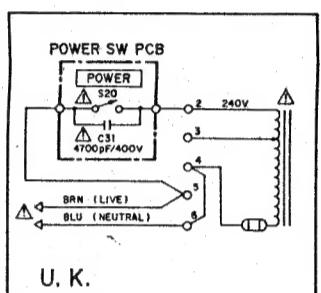
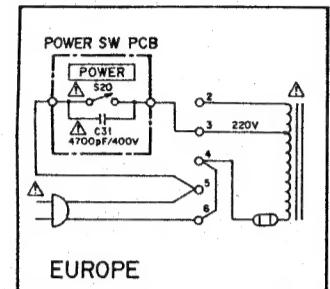


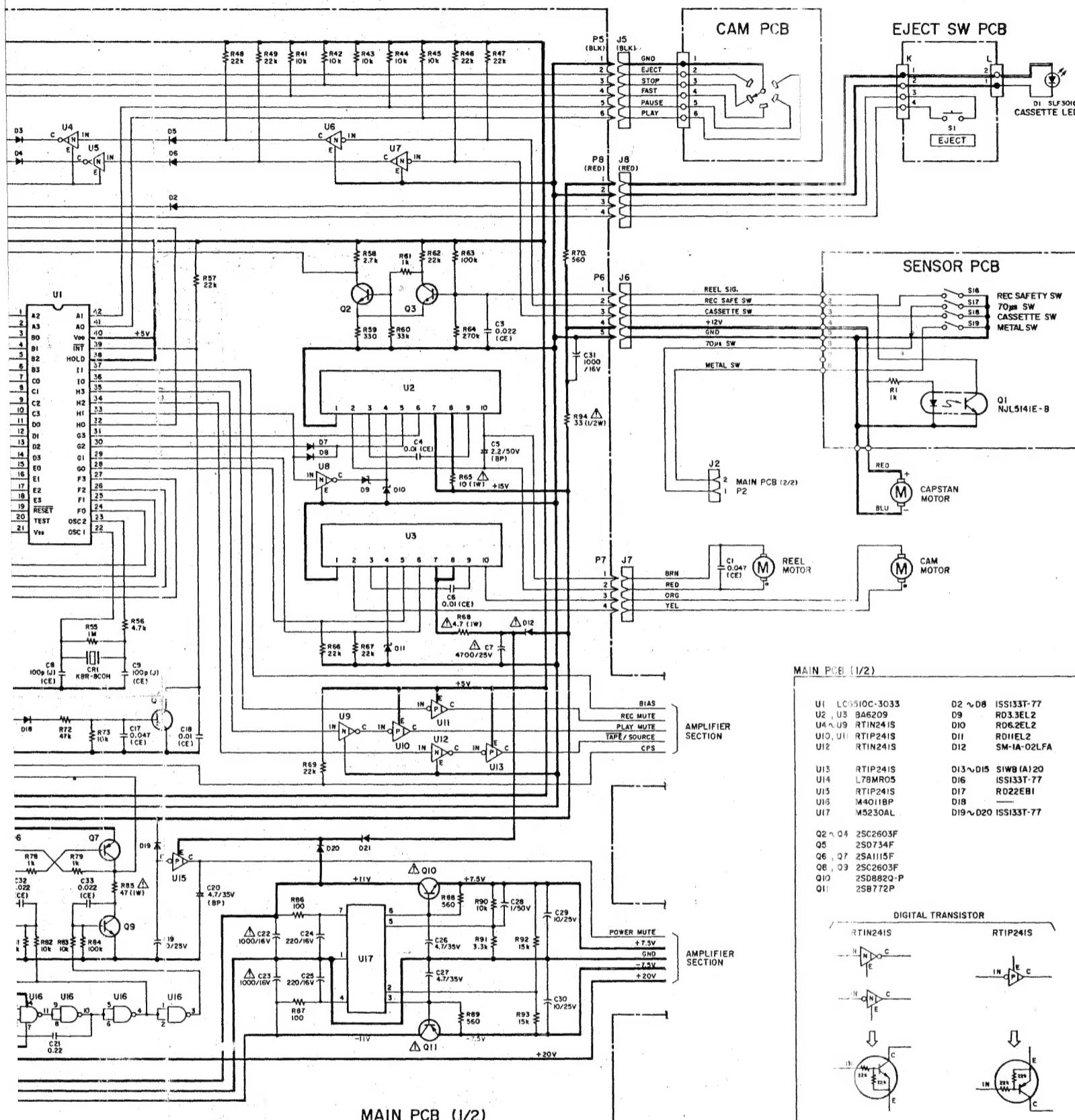
LEVEL METER PCB ASS'Y



MAIN PCB ASS'Y

TEAC SCHEMATIC DIAGRAM **V-770**





V-770

Stereo Cassette Deck

2nd Issue; September 1986

TEAC SCHEMATIC DIAGRAM V-770

